

**Preliminary 2005 Michigan Behavioral Risk Factor Survey:
Estimates By Race**

Selected Tables

May 12, 2006

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Introduction

The Michigan Behavioral Risk Factor Survey (BRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the Behavioral Surveillance Branch (BSB) of the Centers for Disease Control and Prevention, the Michigan State University Institute for Public Policy and Social Research (IPPSR), and the Michigan Department of Community Health. Michigan BRFS data contribute to the national [Behavioral Risk Factor Surveillance System](#) that is managed by BSB.

For the 2005 Michigan BRFS, data were collected quarterly by IPPSR. The sample of telephone numbers that were utilized for data collection was selected using a list-assisted, random-digit-dialed methodology with a disproportionate stratification based on phone bank density, and whether or not the phone numbers were directory listed. The total sample size of completed interviews was 12,136, with 1,039 being Black/Non-Hispanics, 463 being Other/Non-Hispanics, and 239 being Hispanics. These relatively small sample sizes required that some of the demographic groups be combined for analysis, e.g., estimation was possible for only two groups by education and household income. Estimates are reported for subgroups with a sample size of at least 50 respondents. Some of the estimates for these racial/ethnic subgroups are relatively imprecise (i.e., have large confidence intervals) and should be used with caution.

State-specific, population-based prevalence estimates and confidence limits were calculated for health risk behaviors, preventive health practices, and chronic conditions among the adult population in Michigan by race/ethnicity. These estimates were weighted to adjust for the probabilities of selection and a post-stratification weighting factor that adjusted for the distribution of Michigan adults by age, sex, and race/ethnicity at the state level. These analyses were performed in SUDAAN, a statistical computing program that was designed for complex sample surveys. In tables of MI BRFS results from previous years, confidence intervals were presented as \pm half of the width of a symmetric confidence interval (1.96 times the standard error). Since the 2004 MI BRFS tables, however, we are able to include asymmetric confidence intervals as they are now calculated by SUDAAN (version 9.0).

**Table 1: Fair or Poor General Health^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.2	(14.4 – 15.9)	13.6	(12.9 – 14.4)	23.2	(20.4 – 26.2)	18.2	(14.6 – 22.3)	15.5	(10.9 – 21.5)
Age										
18 - 34	7.5	(6.3 – 9.0)	7.4	(6.0 – 9.0)	7.2	(4.4 – 11.6)	5.8	(2.4 – 13.4)	13.0	(6.8 – 23.4)
35 - 54	13.3	(12.2 – 14.5)	11.1	(10.1 – 12.2)	23.3	(18.7 – 28.6)	20.8	(15.0 – 28.0)	15.6	(9.1 – 25.4)
55 +	25.2	(23.9 – 26.5)	22.3	(21.0 – 23.6)	45.9	(40.3 – 51.6)	34.5	(26.4 – 43.5)	25.0	(14.7 – 39.2)
Gender										
Male	13.7	(12.7 – 14.9)	12.6	(11.5 – 13.7)	19.2	(14.9 – 24.5)	18.1	(12.9 – 24.8)	16.8	(10.2 – 26.5)
Female	16.4	(15.5 – 17.4)	14.6	(13.6 – 15.6)	26.1	(22.7 – 29.9)	18.2	(13.8 – 23.7)	14.0	(8.8 – 21.7)
Education										
High school graduate or less	22.4	(21.0 – 23.8)	20.3	(18.9 – 21.8)	31.7	(26.9 – 36.9)	30.8	(23.5 – 39.1)	22.2	(14.7 – 32.0)
Some college or more	10.2	(9.4 – 11.0)	9.2	(8.4 – 9.9)	16.3	(13.2 – 19.9)	11.7	(8.1 – 16.5)	9.0	(4.6 – 17.0)
Household Income										
< \$20,000	35.9	(33.1 – 38.8)	35.6	(32.5 – 38.9)	34.7	(28.4 – 41.6)	38.3	(27.1 – 50.9)	----- ^c	
\$20,000 - \$34,999	19.6	(17.8 – 21.5)	18.3	(16.4 – 20.4)	22.5	(17.4 – 28.5)	29.9	(20.5 – 41.2)	----- ^c	
\$35,000 +	8.1	(7.4 – 8.9)	7.7	(7.0 – 8.5)	14.6	(10.8 – 19.5)	5.4	(2.9 – 9.8)	3.4	(1.4 – 7.9)

^a The proportion who reported that their health, in general, was either fair or poor.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 2: Poor Physical Health on at Least 14 Days in the Past Month^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.1	(10.4 – 11.7)	10.4	(9.8 – 11.1)	14.4	(12.1 – 17.0)	12.1	(9.3 – 15.7)	11.8	(7.7 – 17.6)
Age										
18 - 34	5.7	(4.6 – 6.9)	5.2	(4.1 – 6.6)	6.0	(3.7 – 9.6)	4.8	(2.3 – 9.9)	12.1	(6.1 – 22.4)
35 - 54	11.2	(10.2 – 12.3)	9.9	(9.0 – 11.0)	18.0	(13.8 – 23.2)	13.9	(9.2 – 20.5)	10.6	(5.5 – 19.6)
55 +	16.4	(15.3 – 17.5)	15.6	(14.5 – 16.8)	20.4	(16.2 – 25.4)	21.9	(15.3 – 30.3)	14.1	(6.5 – 28.0)
Gender										
Male	9.0	(8.1 – 10.0)	8.3	(7.4 – 9.3)	12.7	(9.1 – 17.5)	9.4	(5.9 – 14.7)	13.2	(7.2 – 22.8)
Female	12.9	(12.1 – 13.8)	12.4	(11.5 – 13.3)	15.7	(12.9 – 18.9)	14.9	(10.8 – 20.2)	10.2	(5.7 – 17.6)
Education										
High school graduate or less	14.7	(13.6 – 15.9)	14.0	(12.8 – 15.2)	15.8	(12.4 – 20.0)	18.6	(12.8 – 26.3)	19.8	(12.3 – 30.3)
Some college or more	8.7	(8.0 – 9.4)	8.1	(7.3 – 8.8)	13.5	(10.5 – 17.1)	9.1	(6.2 – 13.0)	4.3	(1.9 – 9.5)
Household Income										
< \$20,000	23.7	(21.4 – 26.2)	23.8	(21.2 – 26.6)	24.6	(19.2 – 30.9)	20.0	(12.1 – 31.1)	----- ^c	
\$20,000 - \$34,999	13.6	(12.0 – 15.3)	13.3	(11.6 – 15.1)	13.7	(9.4 – 19.5)	19.5	(12.3 – 29.6)	----- ^c	
\$35,000 +	6.7	(6.0 – 7.4)	6.6	(5.9 – 7.3)	8.1	(5.2 – 12.4)	6.1	(3.3 – 11.1)	6.9	(3.1 – 14.7)

^a The proportion who reported 14 or more days of physical health that was not good, which includes physical illness and injury, during the past 30 days.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 3: Poor Mental Health on at Least 14 Days in the Past Month^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	10.8	(10.1 – 11.5)	10.2	(9.5 – 10.9)	12.0	(9.8 – 14.6)	14.0	(10.8 – 18.0)	16.6	(11.8 – 22.8)
Age										
18 - 34	12.1	(10.6 – 13.8)	12.5	(10.7 – 14.5)	10.5	(7.1 – 15.3)	7.0	(3.7 – 13.0)	15.8	(9.0 – 26.2)
35 - 54	12.2	(11.1 – 13.3)	10.8	(9.8 – 11.9)	15.4	(11.6 – 20.2)	21.2	(15.2 – 28.8)	18.7	(11.3 – 29.5)
55 +	7.7	(7.0 – 8.5)	7.3	(6.5 – 8.1)	8.5	(5.9 – 12.1)	12.5	(7.8 – 19.6)	14.8	(7.5 – 27.2)
Gender										
Male	9.2	(8.2 – 10.3)	8.6	(7.6 – 9.8)	9.2	(6.0 – 13.9)	11.7	(7.4 – 17.8)	18.5	(11.5 – 28.4)
Female	12.3	(11.4 – 13.2)	11.6	(10.7 – 12.6)	14.1	(11.4 – 17.3)	16.4	(11.9 – 22.1)	14.4	(8.9 – 22.5)
Education										
High school graduate or less	13.5	(12.3 – 14.7)	12.9	(11.6 – 14.2)	11.8	(8.7 – 15.9)	20.4	(13.9 – 28.9)	24.3	(16.2 – 34.8)
Some college or more	9.0	(8.2 – 9.8)	8.4	(7.6 – 9.2)	12.0	(9.2 – 15.6)	10.9	(7.6 – 15.3)	9.2	(5.0 – 16.2)
Household Income										
< \$20,000	21.5	(19.1 – 24.2)	21.2	(18.5 – 24.2)	21.4	(16.0 – 28.0)	18.3	(10.5 – 30.0)	----- ^c	
\$20,000 - \$34,999	12.1	(10.5 – 13.8)	12.3	(10.5 – 14.2)	6.9	(4.3 – 11.0)	22.3	(14.1 – 33.5)	----- ^c	
\$35,000 +	7.7	(6.9 – 8.5)	7.4	(6.6 – 8.2)	9.2	(6.2 – 13.5)	9.8	(6.1 – 15.4)	9.5	(5.1 – 17.1)

^a The proportion who reported 14 or more days of mental health that was not good, which includes stress, depression, and problems with emotions, during the past 30 days.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 4: Activity Limitation on at Least 14 Days in the Past Month^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	7.3	(6.8 – 7.9)	6.7	(6.1 – 7.2)	10.0	(8.1 – 12.4)	8.5	(6.1 – 11.8)	10.6	(6.8 – 16.1)
Age										
18 - 34	5.0	(4.1 – 6.2)	4.6	(3.5 – 5.9)	5.5	(3.2 – 9.3)	3.1	(1.1 – 8.6)	12.1	(6.3 – 21.8)
35 - 54	8.0	(7.1 – 8.9)	7.0	(6.2 – 7.9)	13.2	(9.7 – 17.9)	9.9	(5.9 – 16.2)	9.4	(4.6 – 18.3)
55 +	8.7	(7.9 – 9.5)	8.0	(7.2 – 8.9)	11.3	(8.2 – 15.2)	15.5	(10.0 – 23.1)	8.7	(3.2 – 21.3)
Gender										
Male	6.4	(5.6 – 7.2)	5.9	(5.2 – 6.8)	8.2	(5.2 – 12.6)	7.0	(4.0 – 12.2)	10.5	(5.4 – 19.3)
Female	8.1	(7.5 – 8.9)	7.4	(6.6 – 8.1)	11.4	(9.1 – 14.2)	10.0	(6.6 – 14.7)	10.7	(5.9 – 18.6)
Education										
High school graduate or less	9.8	(8.8 – 10.8)	9.0	(8.0 – 10.1)	11.6	(8.7 – 15.2)	13.9	(8.8 – 21.4)	15.3	(8.9 – 24.9)
Some college or more	5.6	(5.0 – 6.3)	5.1	(4.5 – 5.7)	8.9	(6.4 – 12.2)	5.8	(3.6 – 9.3)	6.1	(2.8 – 12.8)
Household Income										
< \$20,000	19.1	(16.9 – 21.5)	19.4	(16.9 – 22.2)	17.9	(13.3 – 23.6)	17.0	(9.7 – 28.2)	----- ^c	
\$20,000 - \$34,999	9.2	(7.9 – 10.8)	8.9	(7.4 – 10.6)	9.3	(6.0 – 14.0)	13.6	(7.5 – 23.2)	----- ^c	
\$35,000 +	3.8	(3.3 – 4.4)	3.7	(3.2 – 4.3)	5.4	(3.1 – 9.3)	2.9	(1.3 – 6.6)	5.0	(2.2 – 11.2)

^a The proportion who reported 14 or more days in the past 30 days in which either poor physical health or poor mental health kept respondents from doing their usual activities, such as self-care, work, and recreation.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 5: Mean Number of Days of Poor Physical Health^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval
Total	3.6	(3.4 – 3.8)	3.4	(3.3 – 3.6)	4.4	(3.8 – 5.0)	4.0	(3.1 – 4.8)	3.8	(2.6 – 5.0)
Age										
18 - 34	2.2	(1.9 – 2.5)	2.1	(1.8 – 2.4)	2.3	(1.5 – 3.0)	1.8	(1.0 – 2.7)	3.9	(2.1 – 5.7)
35 - 54	3.6	(3.4 – 3.9)	3.3	(3.1 – 3.6)	5.2	(4.0 – 6.3)	4.7	(3.2 – 6.1)	3.5	(1.6 – 5.3)
55 +	5.0	(4.7 – 5.3)	4.8	(4.5 – 5.1)	6.2	(5.0 – 7.4)	6.4	(4.5 – 8.3)	4.5	(1.7 – 7.4)
Gender										
Male	3.1	(2.8 – 3.3)	2.9	(2.6 – 3.1)	3.8	(2.8 – 4.9)	3.2	(2.0 – 4.4)	4.4	(2.6 – 6.3)
Female	4.1	(3.9 – 4.3)	4.0	(3.7 – 4.2)	4.8	(4.1 – 5.5)	4.7	(3.6 – 5.9)	3.1	(1.7 – 4.5)
Education										
High school graduate or less	4.6	(4.3 – 4.9)	4.4	(4.1 – 4.7)	4.9	(3.9 – 5.9)	5.7	(3.9 – 7.5)	5.6	(3.3 – 7.9)
Some college or more	3.0	(2.8 – 3.2)	2.8	(2.6 – 3.0)	4.0	(3.3 – 4.8)	3.1	(2.3 – 3.9)	2.1	(1.4 – 2.9)
Household Income										
< \$20,000	7.1	(6.4 – 7.7)	7.2	(6.5 – 7.9)	6.6	(5.3 – 8.0)	6.4	(3.8 – 8.9)	----- ^c	
\$20,000 - \$34,999	4.3	(3.8 – 4.7)	4.1	(3.7 – 4.6)	4.5	(3.1 – 5.8)	6.3	(4.1 – 8.5)	----- ^c	
\$35,000 +	2.4	(2.3 – 2.6)	2.4	(2.2 – 2.6)	2.8	(1.9 – 3.6)	2.2	(1.3 – 3.1)	2.2	(0.9 – 3.4)

^a The mean number of days during the past 30 days in which physical health, including illness and injury, was not good.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 6: Mean Number of Days of Poor Mental Health^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval
Total	3.6	(3.4 – 3.7)	3.4	(3.2 – 3.6)	3.9	(3.3 – 4.4)	4.5	(3.6 – 5.4)	5.5	(4.1 – 6.9)
Age										
18 - 34	4.2	(3.8 – 4.6)	4.3	(3.8 – 4.7)	3.8	(2.8 – 4.8)	3.0	(1.8 – 4.3)	5.5	(3.3 – 7.6)
35 - 54	3.9	(3.6 – 4.1)	3.5	(3.3 – 3.8)	4.6	(3.6 – 5.5)	6.2	(4.5 – 7.8)	5.8	(3.4 – 8.3)
55 +	2.5	(2.3 – 2.7)	2.4	(2.2 – 2.6)	2.9	(2.1 – 3.7)	3.7	(2.2 – 5.3)	4.9	(2.1 – 7.8)
Gender										
Male	3.0	(2.7 – 3.2)	2.9	(2.6 – 3.1)	3.0	(2.2 – 3.9)	3.6	(2.3 – 4.8)	5.6	(3.4 – 7.8)
Female	4.1	(3.9 – 4.3)	3.9	(3.6 – 4.1)	4.5	(3.8 – 5.3)	5.4	(4.1 – 6.7)	5.4	(3.6 – 7.2)
Education										
High school graduate or less	4.2	(3.9 – 4.5)	4.0	(3.7 – 4.3)	3.9	(3.0 – 4.9)	6.2	(4.2 – 8.1)	7.5	(5.1 – 10.0)
Some college or more	3.1	(2.9 – 3.3)	3.0	(2.8 – 3.2)	3.8	(3.1 – 4.5)	3.6	(2.7 – 4.6)	3.5	(2.0 – 5.0)
Household Income										
< \$20,000	6.4	(5.7 – 7.0)	6.4	(5.7 – 7.1)	5.9	(4.6 – 7.2)	6.2	(3.5 – 9.0)	----- ^c	
\$20,000 - \$34,999	3.8	(3.4 – 4.2)	3.7	(3.3 – 4.1)	3.2	(2.2 – 4.1)	6.6	(4.2 – 9.0)	----- ^c	
\$35,000 +	2.8	(2.6 – 3.0)	2.7	(2.5 – 2.9)	2.9	(2.1 – 3.7)	3.3	(2.2 – 4.4)	3.9	(2.2 – 5.5)

^a The mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 7: Mean Number of Days of Activity Limitation^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval	Mean	95% Confidence Interval
Total	2.3	(2.2 – 2.4)	2.1	(2.0 – 2.3)	3.1	(2.5 – 3.6)	2.7	(1.9 – 3.4)	2.4	(1.5 – 3.4)
Age										
18 - 34	1.6	(1.4 – 1.8)	1.6	(1.3 – 1.8)	1.7	(1.1 – 2.3)	1.3	(0.5 – 2.1)	2.2	(1.0 – 3.4)
35 - 54	2.5	(2.3 – 2.8)	2.3	(2.0 – 2.5)	4.1	(3.0 – 5.2)	3.3	(1.9 – 4.6)	2.5	(0.7 – 4.4)
55 +	2.7	(2.5 – 2.9)	2.5	(2.3 – 2.7)	3.5	(2.6 – 4.5)	3.9	(2.4 – 5.5)	2.9	(0.6 – 5.3)
Gender										
Male	2.1	(1.8 – 2.3)	2.0	(1.8 – 2.2)	2.6	(1.6 – 3.6)	2.3	(1.2 – 3.4)	2.2	(0.9 – 3.6)
Female	2.5	(2.3 – 2.7)	2.3	(2.1 – 2.5)	3.5	(2.9 – 4.1)	3.1	(2.1 – 4.0)	2.7	(1.3 – 4.0)
Education										
High school graduate or less	2.9	(2.6 – 3.1)	2.7	(2.4 – 3.0)	3.7	(2.8 – 4.5)	3.9	(2.3 – 5.5)	3.0	(1.6 – 4.4)
Some college or more	1.9	(1.7 – 2.1)	1.8	(1.6 – 1.9)	2.7	(2.0 – 3.4)	2.0	(1.3 – 2.8)	1.9	(0.6 – 3.2)
Household Income										
< \$20,000	5.3	(4.7 – 5.9)	5.4	(4.8 – 6.1)	4.9	(3.7 – 6.1)	5.2	(2.7 – 7.8)	----- ^c	
\$20,000 - \$34,999	2.8	(2.5 – 3.2)	2.7	(2.3 – 3.1)	2.9	(1.9 – 4.0)	4.0	(2.3 – 5.7)	----- ^c	
\$35,000 +	1.4	(1.3 – 1.6)	1.4	(1.2 – 1.5)	1.9	(1.1 – 2.7)	1.3	(0.6 – 2.0)	1.5	(0.6 – 2.5)

^a The mean number of days during the past 30 days in which poor physical health or poor mental health kept the respondent from doing usual activities, such as self-care, work, or recreation.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 8: No Health Care Coverage Among Those Aged 18 - 64 Years^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.5	(13.6 – 15.5)	13.1	(12.1 – 14.1)	18.5	(15.4 – 22.1)	19.4	(15.2 – 24.4)	26.6	(20.0 – 34.4)
Age										
18 - 34	20.8	(18.8 – 23.0)	19.1	(16.9 – 21.6)	23.1	(17.6 – 29.8)	23.3	(16.1 – 32.6)	35.3	(25.2 – 47.0)
35 - 54	12.0	(10.9 – 13.2)	10.8	(9.8 – 12.0)	16.7	(12.7 – 21.8)	15.7	(10.8 – 22.4)	18.0	(10.5 – 29.2)
55 - 64	8.2	(7.1 – 9.6)	7.4	(6.3 – 8.8)	10.9	(7.1 – 16.4)	20.5	(11.2 – 34.7)	----- ^c	
Gender										
Male	16.9	(15.4 – 18.6)	15.3	(13.8 – 17.0)	22.8	(17.2 – 29.6)	19.8	(13.7 – 27.7)	29.6	(20.2 – 41.1)
Female	12.2	(11.2 – 13.4)	10.8	(9.7 – 12.0)	15.2	(12.2 – 18.8)	19.0	(13.7 – 25.7)	23.0	(14.9 – 33.9)
Education										
High school graduate or less	22.6	(20.7 – 24.6)	20.5	(18.6 – 22.6)	26.8	(21.1 – 33.4)	29.6	(21.1 – 39.8)	39.6	(29.0 – 51.4)
Some college or more	9.7	(8.8 – 10.7)	8.7	(7.7 – 9.7)	12.9	(9.9 – 16.8)	15.1	(10.7 – 21.0)	13.5	(7.7 – 22.7)
Household Income										
< \$20,000	36.4	(32.6 – 40.3)	34.4	(30.0 – 39.1)	33.8	(26.2 – 42.3)	41.8	(27.7 – 57.4)	----- ^c	
\$20,000 - \$34,999	24.2	(21.6 – 27.0)	24.0	(21.1 – 27.2)	20.0	(13.9 – 28.0)	35.6	(24.5 – 48.6)	----- ^c	
\$35,000 +	7.0	(6.1 – 7.9)	6.6	(5.7 – 7.6)	9.3	(6.1 – 13.9)	7.5	(4.1 – 13.4)	11.3	(5.5 – 21.9)

^a Among those aged 18-64 years, the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 9: No Personal Health Care Provider^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.4	(13.6 – 15.3)	12.6	(11.8 – 13.5)	21.0	(17.9 – 24.5)	23.1	(18.8 – 28.1)	22.6	(16.9 – 29.5)
Age										
18 - 34	23.7	(21.6 – 26.0)	20.8	(18.5 – 23.3)	31.1	(24.8 – 38.1)	35.5	(26.7 – 45.4)	31.6	(22.2 – 42.8)
35 - 54	14.0	(12.8 – 15.3)	12.7	(11.6 – 13.9)	20.0	(15.3 – 25.7)	19.6	(14.0 – 26.6)	15.5	(8.6 – 26.3)
55 +	5.9	(5.2 – 6.7)	5.5	(4.8 – 6.3)	8.5	(5.8 – 12.2)	8.0	(4.2 – 14.9)	8.8	(3.0 – 23.3)
Gender										
Male	19.4	(18.0 – 20.9)	17.0	(15.5 – 18.5)	28.9	(23.1 – 35.5)	33.6	(26.4 – 41.7)	26.0	(17.6 – 36.7)
Female	9.9	(9.0 – 10.8)	8.6	(7.7 – 9.5)	15.0	(12.1 – 18.4)	12.6	(8.6 – 18.0)	18.6	(12.0 – 27.6)
Education										
High school graduate or less	17.2	(15.7 – 18.7)	14.8	(13.4 – 16.4)	26.7	(21.5 – 32.5)	24.4	(17.5 – 33.1)	25.4	(16.8 – 36.3)
Some college or more	12.5	(11.5 – 13.6)	11.1	(10.1 – 12.2)	16.3	(12.8 – 20.6)	22.4	(17.1 – 28.8)	19.8	(13.1 – 28.9)
Household Income										
< \$20,000	23.6	(20.8 – 26.6)	19.6	(16.7 – 22.9)	30.1	(23.4 – 37.8)	43.7	(31.5 – 56.7)	----- ^c	
\$20,000 - \$34,999	15.6	(13.7 – 17.7)	13.5	(11.5 – 15.7)	22.6	(16.5 – 30.1)	22.0	(13.7 – 33.3)	----- ^c	
\$35,000 +	11.3	(10.3 – 12.4)	10.9	(9.9 – 12.0)	12.1	(8.4 – 17.2)	14.8	(9.8 – 21.8)	16.3	(9.7 – 25.9)

^a The proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 10: No Health Care Access During Past 12 Months Due to Cost^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	12.7	(12.0 – 13.5)	10.9	(10.1 – 11.7)	19.6	(16.8 – 22.6)	21.6	(17.5 – 26.4)	18.9	(13.6 – 25.6)
Age										
18 - 34	16.9	(15.1 – 18.9)	14.8	(12.9 – 16.9)	22.8	(17.6 – 29.0)	24.0	(16.7 – 33.3)	22.9	(14.5 – 34.3)
35 - 54	14.1	(13.0 – 15.3)	12.2	(11.1 – 13.4)	20.9	(16.7 – 26.0)	23.7	(17.5 – 31.1)	18.5	(11.3 – 29.0)
55 +	6.8	(6.1 – 7.6)	5.8	(5.1 – 6.6)	12.7	(9.3 – 17.1)	14.0	(8.4 – 22.4)	6.3	(1.8 – 19.7)
Gender										
Male	11.5	(10.3 – 12.7)	9.8	(8.7 – 11.0)	16.3	(12.1 – 21.8)	21.8	(15.9 – 29.2)	21.3	(13.5 – 32.0)
Female	13.9	(12.9 – 14.9)	11.9	(10.9 – 12.9)	22.0	(18.7 – 25.7)	21.4	(16.1 – 27.9)	16.2	(10.1 – 24.9)
Education										
High school graduate or less	15.5	(14.2 – 16.9)	13.6	(12.3 – 15.0)	21.3	(17.1 – 26.2)	24.7	(17.8 – 33.3)	25.5	(16.8 – 36.7)
Some college or more	10.8	(10.0 – 11.8)	9.1	(8.2 – 10.0)	18.2	(14.7 – 22.2)	20.3	(15.4 – 26.3)	12.7	(7.6 – 20.5)
Household Income										
< \$20,000	27.7	(25.0 – 30.5)	24.8	(21.8 – 28.0)	31.4	(25.3 – 38.2)	37.7	(26.5 – 50.5)	----- ^c	
\$20,000 - \$34,999	18.1	(16.1 – 20.1)	16.7	(14.7 – 18.9)	19.6	(14.2 – 26.4)	30.1	(20.6 – 41.6)	----- ^c	
\$35,000 +	7.6	(6.8 – 8.5)	6.7	(5.9 – 7.6)	13.2	(9.6 – 18.0)	12.5	(7.9 – 19.2)	11.6	(6.5 – 19.9)

^a The proportion who reported that in the past twelve months, they could not see a doctor when they needed to due to the cost.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 11: No Routine Checkup in Past Year^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	29.6	(28.5 – 30.6)	30.2	(29.1 – 31.4)	22.1	(19.0 – 25.6)	35.3	(30.3 – 40.7)	35.4	(28.6 – 42.8)
Age										
18 - 34	38.6	(36.1 – 41.1)	39.6	(36.8 – 42.5)	31.6	(25.2 – 38.6)	45.6	(36.1 – 55.5)	37.5	(27.2 – 49.0)
35 - 54	33.0	(31.5 – 34.6)	34.6	(33.0 – 36.3)	21.3	(16.7 – 26.8)	33.8	(26.8 – 41.6)	37.8	(27.0 – 49.9)
55 +	16.4	(15.3 – 17.5)	16.9	(15.7 – 18.1)	10.3	(7.3 – 14.5)	19.5	(12.9 – 28.4)	23.1	(12.8 – 38.0)
Gender										
Male	37.1	(35.4 – 38.8)	37.7	(35.9 – 39.5)	30.6	(24.7 – 37.2)	41.0	(33.5 – 49.1)	40.9	(30.8 – 51.7)
Female	22.7	(21.6 – 23.9)	23.3	(22.0 – 24.6)	15.8	(12.9 – 19.2)	29.4	(23.2 – 36.4)	29.1	(20.8 – 39.0)
Education										
High school graduate or less	29.9	(28.2 – 31.6)	30.8	(29.0 – 32.6)	22.4	(17.8 – 27.9)	37.0	(28.6 – 46.2)	33.1	(23.8 – 44.1)
Some college or more	29.4	(28.1 – 30.7)	29.9	(28.5 – 31.3)	22.0	(17.9 – 26.7)	34.8	(28.7 – 41.5)	37.5	(28.2 – 47.8)
Household Income										
< \$20,000	32.5	(29.6 – 35.6)	32.3	(28.9 – 35.8)	27.1	(20.9 – 34.4)	53.5	(41.1 – 65.5)	----- ^c	
\$20,000 - \$34,999	30.9	(28.5 – 33.4)	31.8	(29.2 – 34.5)	24.5	(18.3 – 32.1)	29.3	(19.8 – 41.1)	----- ^c	
\$35,000 +	29.2	(27.9 – 30.6)	30.1	(28.7 – 31.6)	17.4	(12.8 – 23.1)	33.9	(26.7 – 41.9)	35.1	(25.7 – 45.8)

^a The proportion who reported that they did not have a routine checkup in the past year.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 12: Obesity^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	26.5	(25.5 – 27.4)	25.4	(24.4 – 26.4)	36.1	(32.5 – 39.8)	20.6	(16.5 – 25.3)	24.4	(18.4 – 31.5)
Age										
18 - 34	20.5	(18.5 – 22.7)	19.9	(17.7 – 22.3)	27.8	(21.7 – 34.9)	11.4	(6.1 – 20.1)	18.3	(10.7 – 29.6)
35 - 54	29.3	(27.8 – 30.9)	27.7	(26.1 – 29.3)	39.9	(24.1 – 46.0)	28.0	(21.2 – 36.0)	30.4	(20.5 – 42.6)
55 +	28.5	(27.1 – 29.9)	27.2	(25.8 – 28.6)	41.5	(35.9 – 47.3)	20.8	(14.2 – 29.3)	31.8	(19.9 – 46.7)
Gender										
Male	27.0	(25.5 – 28.5)	26.6	(25.0 – 28.2)	32.9	(27.0 – 39.4)	20.6	(15.0 – 27.7)	23.5	(15.4 – 34.2)
Female	26.0	(24.8 – 27.2)	24.2	(22.9 – 25.4)	38.7	(34.5 – 43.0)	20.5	(15.2 – 27.2)	25.5	(17.7 – 35.1)
Education										
High school graduate or less	28.0	(26.4 – 29.5)	26.6	(25.0 – 28.2)	37.5	(32.1 – 43.2)	24.4	(17.7 – 32.6)	24.7	(16.6 – 35.2)
Some college or more	25.4	(24.2 – 26.7)	24.6	(23.3 – 25.9)	34.9	(30.3 – 39.9)	18.4	(13.6 – 24.4)	24.0	(16.1 – 34.2)
Household Income										
< \$20,000	31.8	(29.1 – 34.7)	30.5	(27.4 – 33.7)	38.7	(31.9 – 46.0)	20.8	(12.9 – 32.0)	----- ^c	
\$20,000 - \$34,999	30.1	(27.8 – 32.4)	29.2	(26.8 – 31.7)	35.8	(29.0 – 43.3)	30.4	(20.8 – 42.0)	----- ^c	
\$35,000 +	25.8	(24.5 – 27.1)	25.1	(23.8 – 26.5)	36.6	(30.7 – 43.0)	19.1	(13.3 – 26.6)	20.8	(13.4 – 31.0)

Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters)²]. Weight and height were self-reported. Pregnant women were excluded.

^a The proportion of respondents whose BMI was greater than or equal to 30.0.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 13: No Leisure-Time Physical Activity^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	22.6	(21.7 – 23.5)	21.2	(20.3 – 22.1)	32.1	(28.8 – 35.6)	23.9	(19.8 – 28.4)	18.2	(13.5 – 24.1)
Age										
18 - 34	18.0	(16.2 – 20.0)	16.5	(14.5 – 18.8)	26.6	(20.9 – 33.3)	16.1	(10.5 – 24.0)	16.9	(10.4 – 26.4)
35 - 54	20.7	(19.4 – 22.1)	18.8	(17.5 – 20.2)	33.2	(27.8 – 39.0)	23.5	(17.5 – 31.0)	14.5	(8.3 – 24.2)
55 +	29.4	(28.1 – 30.8)	28.1	(26.7 – 29.5)	38.4	(33.0 – 44.0)	36.2	(27.9 – 45.5)	32.9	(20.9 – 47.6)
Gender										
Male	20.6	(19.3 – 22.1)	19.5	(18.1 – 20.9)	29.4	(23.9 – 35.6)	22.1	(16.4 – 29.0)	18.9	(12.2 – 28.0)
Female	24.3	(23.2 – 25.5)	22.7	(21.6 – 24.0)	34.1	(30.2 – 38.2)	25.7	(20.3 – 31.8)	17.4	(11.5 – 25.5)
Education										
High school graduate or less	31.0	(29.5 – 32.6)	30.2	(28.5 – 31.9)	37.9	(32.7 – 43.4)	33.3	(25.7 – 41.9)	21.8	(14.8 – 31.1)
Some college or more	16.7	(15.7 – 17.8)	15.1	(14.1 – 16.2)	27.3	(23.2 – 31.9)	19.0	(14.7 – 24.4)	14.7	(9.1 – 22.9)
Household Income										
< \$20,000	36.9	(34.0 – 39.8)	38.2	(34.9 – 41.6)	35.9	(29.4 – 42.9)	33.4	(23.3 – 45.3)	----- ^c	
\$20,000 - \$34,999	28.1	(25.9 – 30.3)	26.7	(24.4 – 29.1)	33.0	(26.6 – 40.1)	31.7	(22.4 – 42.7)	----- ^c	
\$35,000 +	16.0	(15.0 – 17.1)	15.3	(14.3 – 16.4)	25.4	(20.4 – 31.2)	17.0	(11.8 – 23.8)	8.0	(4.1 – 14.9)

^a The proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking in the past month.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 14: Inadequate Physical Physical Activity^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	50.5	(49.4 – 51.6)	48.7	(47.5 – 49.9)	58.4	(54.5 – 62.2)	56.6	(51.1 – 62.0)	57.2	(49.7 – 64.5)
Age										
18 - 34	43.1	(40.6 – 45.6)	41.9	(39.1 – 44.8)	42.9	(36.0 – 50.2)	49.4	(39.6 – 59.2)	52.9	(41.4 – 64.1)
35 - 54	50.6	(48.9 – 52.2)	48.0	(46.2 – 49.8)	62.4	(56.3 – 68.2)	60.1	(51.9 – 67.8)	58.5	(46.5 – 69.7)
55 +	58.0	(56.4 – 59.5)	55.4	(53.8 – 57.0)	74.4	(69.1 – 79.1)	62.2	(51.9 – 71.4)	72.4	(58.9 – 82.7)
Gender										
Male	48.9	(47.2 – 50.7)	47.1	(45.2 – 49.0)	55.2	(48.4 – 61.9)	60.3	(52.1 – 68.0)	57.0	(45.8 – 67.4)
Female	52.0	(50.6 – 53.4)	50.2	(48.7 – 51.7)	60.8	(56.4 – 65.0)	53.0	(45.7 – 60.1)	57.5	(47.4 – 67.1)
Education										
High school graduate or less	54.1	(52.3 – 55.9)	53.0	(51.0 – 55.0)	59.9	(53.8 – 65.7)	51.3	(42.0 – 60.6)	56.2	(45.0 – 66.8)
Some college or more	48.1	(46.7 – 49.5)	45.8	(44.3 – 47.3)	57.2	(52.1 – 62.1)	58.7	(51.8 – 65.2)	58.3	(48.1 – 67.8)
Household Income										
< \$20,000	57.9	(54.7 – 61.1)	58.8	(55.1 – 62.4)	59.1	(51.3 – 66.4)	52.0	(38.5 – 65.2)	----- ^c	
\$20,000 - \$34,999	54.3	(51.7 – 56.8)	51.7	(48.9 – 54.5)	64.0	(56.3 – 71.1)	56.0	(44.0 – 67.3)	----- ^c	
\$35,000 +	46.8	(45.3 – 48.3)	45.3	(43.7 – 46.8)	55.6	(49.4 – 61.7)	55.2	(47.0 – 63.1)	56.1	(45.5 – 66.1)

^a The proportion who reported that they do not usually do moderate physical activities for a total of at least 30 minutes on five or more days per week or vigorous physical activities for a total of 20 minutes on three or more days per week while not at work.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 15: Inadequate Moderate Physical Activity^a (< 30 minutes, 5 times / week) by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	62.5	(61.4 – 63.5)	60.3	(59.2 – 61.5)	71.5	(67.9 – 74.9)	68.3	(63.1 – 73.2)	70.2	(62.9 – 76.7)
Age										
18 - 34	59.4	(56.9 – 61.9)	57.5	(54.6 – 60.4)	63.1	(55.8 – 69.9)	63.0	(53.1 – 71.9)	72.0	(60.4 – 81.3)
35 - 54	62.2	(60.6 – 63.8)	59.8	(58.0 – 61.5)	74.5	(68.7 – 79.6)	70.7	(63.0 – 77.4)	65.5	(53.4 – 75.9)
55 +	65.6	(64.2 – 67.1)	63.4	(61.8 – 64.9)	79.2	(74.2 – 83.4)	72.6	(62.9 – 80.5)	78.7	(65.7 – 87.7)
Gender										
Male	62.8	(61.1 – 64.5)	60.7	(58.9 – 62.6)	70.4	(63.8 – 76.2)	71.6	(63.8 – 78.3)	74.7	(63.8 – 83.2)
Female	62.1	(60.7 – 63.5)	60.0	(58.5 – 61.5)	72.4	(68.3 – 76.2)	65.0	(57.8 – 71.6)	65.3	(55.2 – 74.2)
Education										
High school graduate or less	64.5	(62.8 – 66.3)	62.4	(60.4 – 64.3)	75.0	(69.4 – 79.9)	62.4	(52.9 – 71.0)	72.6	(61.5 – 81.5)
Some college or more	61.0	(59.6 – 62.4)	58.9	(57.4 – 60.4)	68.8	(63.9 – 73.4)	70.8	(64.4 – 76.5)	68.0	(58.0 – 76.7)
Household Income										
< \$20,000	67.3	(64.2 – 70.3)	66.7	(63.1 – 70.1)	71.1	(63.5 – 77.7)	57.8	(44.3 – 70.2)	----- ^c	
\$20,000 - \$34,999	64.5	(62.0 – 66.8)	60.6	(57.8 – 63.3)	79.1	(72.2 – 84.6)	69.2	(57.1 – 79.1)	----- ^c	
\$35,000 +	60.2	(58.7 – 61.6)	58.7	(57.1 – 60.2)	68.6	(62.4 – 74.1)	68.2	(60.3 – 75.1)	68.5	(57.9 – 77.4)

^a The proportion who reported that they do not usually do moderate physical activities for a total of at least 30 minutes on five or more days per week while not at work.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 16: Inadequate Vigorous Physical Activity^a (< 20 minutes, 3 times / week) by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	72.0	(71.0 – 73.1)	71.5	(70.4 – 72.6)	74.6	(71.0 – 77.9)	74.5	(69.4 – 79.0)	70.5	(63.2 – 77.0)
Age										
18 - 34	61.6	(59.1 – 64.0)	61.3	(58.4 – 64.1)	60.6	(53.3 – 67.4)	66.6	(59.7 – 75.2)	64.8	(53.1 – 75.0)
35 - 54	71.9	(70.4 – 73.4)	70.6	(69.0 – 72.2)	78.3	(72.9 – 82.9)	75.8	(68.5 – 81.9)	74.3	(62.9 – 83.1)
55 +	82.5	(81.3 – 83.6)	81.5	(80.2 – 82.7)	88.6	(84.4 – 91.8)	85.9	(77.1 – 91.6)	85.0	(73.3 – 92.1)
Gender										
Male	68.0	(66.2 – 69.6)	67.2	(65.4 – 69.0)	68.9	(62.1 – 74.9)	76.1	(68.5 – 82.4)	69.8	(58.9 – 78.9)
Female	75.8	(74.5 – 77.0)	75.5	(74.1 – 76.8)	78.9	(75.1 – 82.3)	73.0	(65.9 – 79.0)	71.3	(61.1 – 79.7)
Education										
High school graduate or less	75.6	(73.9 – 77.2)	75.7	(73.9 – 77.5)	75.8	(70.0 – 80.7)	74.4	(65.3 – 81.7)	70.4	(59.3 – 79.5)
Some college or more	69.6	(68.3 – 70.9)	68.7	(67.2 – 70.1)	73.5	(68.7 – 77.8)	74.2	(67.8 – 79.8)	70.7	(60.5 – 79.2)
Household Income										
< \$20,000	79.2	(76.2 – 82.0)	80.7	(77.3 – 83.7)	76.6	(68.8 – 82.9)	78.4	(64.6 – 87.8)	----- ^c	
\$20,000 - \$34,999	76.8	(74.5 – 79.0)	76.9	(74.4 – 79.3)	74.6	(67.1 – 80.8)	79.8	(69.7 – 87.2)	----- ^c	
\$35,000 +	67.8	(66.4 – 69.2)	67.3	(65.8 – 68.8)	71.9	(65.8 – 77.2)	70.9	(62.9 – 77.9)	65.8	(55.4 – 74.9)

^a The proportion who reported that they do not usually do vigorous physical activities for a total of 20 minutes on three or more days per week while not at work.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 17: Inadequate Fruit and Vegetable Consumption^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	77.2	(76.3 – 78.1)	77.2	(76.3 – 78.2)	77.4	(74.1 – 80.4)	75.7	(71.0 – 79.9)	78.0	(71.3 – 83.5)
Age										
18 - 34	79.4	(77.3 – 81.3)	79.9	(77.5 – 82.2)	78.5	(72.2 – 83.6)	71.4	(61.9 – 79.4)	81.9	(71.1 – 89.2)
35 - 54	79.0	(77.7 – 80.3)	79.4	(78.0 – 80.7)	77.5	(71.8 – 82.3)	79.7	(73.0 – 85.1)	74.2	(62.5 – 83.2)
55 +	72.8	(71.5 – 74.1)	72.3	(70.9 – 73.7)	75.9	(70.8 – 80.5)	75.3	(66.6 – 82.4)	76.5	(63.6 – 85.9)
Gender										
Male	82.9	(81.5 – 84.1)	82.9	(81.5 – 84.3)	80.5	(74.6 – 85.3)	83.5	(76.7 – 88.6)	86.6	(77.1 – 92.6)
Female	72.0	(70.7 – 73.2)	71.9	(70.6 – 73.2)	75.1	(71.2 – 78.6)	67.9	(61.2 – 74.0)	68.1	(58.1 – 76.6)
Education										
High school graduate or less	81.1	(79.7 – 82.4)	81.2	(79.7 – 82.6)	80.8	(75.7 – 85.0)	79.9	(72.0 – 86.0)	81.3	(72.0 – 88.0)
Some college or more	74.5	(73.3 – 75.7)	74.6	(73.3 – 75.9)	74.7	(70.3 – 78.8)	73.6	(67.5 – 78.9)	74.7	(64.7 – 82.7)
Household Income										
< \$20,000	76.3	(73.5 – 78.9)	76.6	(73.5 – 79.4)	75.6	(68.5 – 81.5)	75.6	(62.7 – 85.1)	----- ^c	
\$20,000 - \$34,999	80.3	(78.3 – 82.1)	80.3	(78.1 – 82.3)	77.2	(70.4 – 82.9)	85.8	(76.9 – 91.7)	----- ^c	
\$35,000 +	76.7	(75.4 – 77.9)	76.9	(75.6 – 78.1)	77.0	(71.5 – 81.8)	72.0	(64.5 – 78.4)	76.7	(66.6 – 84.5)

^a The proportion whose total reported consumption of fruits (including juice) and vegetables was less than five times per day.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 18: Diabetes^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	8.1	(7.6 – 8.6)	7.6	(7.1 – 8.2)	11.6	(9.6 – 13.9)	6.4	(4.6 – 8.9)	8.5	(5.3 – 13.3)
Age										
18 - 34	1.5	(1.0 – 2.3)	1.7	(1.1 – 2.7)	0.4	(0.1 – 1.5)	0.3	(0.04 – 1.9)	3.0	(0.7 – 11.9)
35 - 54	6.2	(5.4 – 7.1)	5.5	(4.8 – 6.4)	9.6	(6.5 – 13.8)	5.6	(3.1 – 9.8)	11.5	(5.5 – 22.2)
55 +	17.1	(16.0 – 18.3)	15.4	(14.3 – 16.6)	31.0	(25.8 – 36.6)	18.5	(12.4 – 26.7)	21.0	(12.2 – 33.7)
Gender										
Male	8.4	(7.6 – 9.3)	8.3	(7.5 – 9.2)	10.3	(7.4 – 14.3)	5.5	(3.1 – 9.4)	9.7	(4.9 – 18.1)
Female	7.8	(7.1 – 8.4)	7.0	(6.4 – 7.7)	12.5	(10.1 – 15.4)	7.4	(4.9 – 11.1)	7.1	(3.9 – 12.7)
Education										
High school graduate or less	10.0	(9.2 – 11.0)	9.2	(8.3 – 10.1)	15.9	(12.4 – 20.0)	8.0	(5.0 – 12.6)	9.1	(4.8 – 16.4)
Some college or more	6.7	(6.1 – 7.4)	6.6	(6.0 – 7.3)	8.0	(6.0 – 10.7)	5.7	(3.6 – 9.0)	7.9	(3.9 – 15.6)
Household Income										
< \$20,000	13.8	(12.1 – 15.8)	13.1	(11.3 – 15.2)	15.4	(11.1 – 20.9)	10.0	(5.7 – 16.9)	----- ^c	
\$20,000 - \$34,999	10.3	(9.0 – 11.7)	9.9	(8.6 – 11.3)	13.5	(9.4 – 18.9)	9.4	(4.7 – 18.1)	----- ^c	
\$35,000 +	5.8	(5.2 – 6.5)	5.8	(5.2 – 6.6)	7.0	(4.7 – 10.4)	2.4	(1.0 – 5.3)	6.2	(2.8 – 13.5)

^a The proportion who reported that they were ever told by a doctor that they have diabetes. Women who had diabetes only during pregnancy were considered to not have been diagnosed.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 19: Ever Told Have Asthma^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	13.8	(13.0 – 14.6)	13.2	(12.4 – 14.0)	16.1	(13.6 – 19.1)	14.5	(11.2 – 18.6)	18.3	(13.2 – 24.9)
Age										
18 - 34	16.0	(14.2 – 17.9)	16.1	(14.1 – 18.4)	15.8	(11.4 – 21.6)	11.2	(6.4 – 18.8)	19.7	(12.0 – 30.8)
35 - 54	13.7	(12.6 – 14.9)	12.8	(11.7 – 14.0)	17.4	(13.3 – 22.5)	15.0	(10.1 – 21.9)	19.4	(11.9 – 30.0)
55 +	11.8	(10.9 – 12.8)	11.1	(10.2 – 12.1)	14.8	(11.2 – 19.4)	18.9	(12.6 – 27.4)	11.1	(5.2 – 22.3)
Gender										
Male	11.6	(10.5 – 12.8)	10.9	(9.7 – 12.1)	14.0	(10.0 – 19.3)	12.2	(7.9 – 18.3)	19.2	(11.9 – 29.6)
Female	15.8	(14.8 – 16.9)	15.3	(14.2 – 16.4)	17.7	(14.7 – 21.3)	16.9	(12.2 – 22.8)	17.3	(11.1 – 25.8)
Education										
High school graduate or less	13.8	(12.6 – 15.1)	12.9	(11.6 – 14.2)	16.1	(12.3 – 20.6)	18.0	(12.1 – 25.9)	21.0	(13.3 – 31.4)
Some college or more	13.9	(12.9 – 14.9)	13.4	(12.4 – 14.5)	16.4	(13.0 – 20.4)	12.6	(8.9 – 17.6)	15.7	(9.7 – 24.4)
Household Income										
< \$20,000	18.8	(16.5 – 21.3)	17.3	(14.8 – 20.1)	20.9	(15.8 – 27.0)	15.0	(8.2 – 25.7)	----- ^c	
\$20,000 - \$34,999	14.4	(12.8 – 16.2)	14.0	(12.2 – 16.0)	15.4	(10.8 – 21.5)	21.2	(13.2 – 32.2)	----- ^c	
\$35,000 +	12.7	(11.7 – 13.7)	12.4	(11.4 – 13.5)	14.1	(10.2 – 19.2)	14.4	(9.6 – 21.1)	13.5	(8.1 – 21.8)

^a The proportion who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 20: Still Have Asthma^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	9.0	(8.4 – 9.6)	8.3	(7.7 – 9.0)	10.9	(8.8 – 13.3)	11.7	(8.7 – 15.6)	13.0	(8.7 – 19.0)
Age										
18 - 34	10.0	(8.6 – 11.6)	9.4	(7.9 – 11.2)	11.5	(7.8 – 16.7)	10.7	(6.0 – 18.4)	12.9	(6.8 – 23.1)
35 - 54	8.8	(8.0 – 9.8)	8.0	(7.1 – 8.9)	10.9	(7.9 – 15.0)	11.8	(7.4 – 18.3)	16.3	(9.5 – 26.5)
55 +	8.3	(7.5 – 9.2)	8.0	(7.2 – 8.8)	10.0	(7.0 – 14.2)	12.8	(7.8 – 20.2)	6.0	(2.2 – 15.1)
Gender										
Male	6.5	(5.7 – 7.4)	6.0	(5.1 – 6.9)	7.2	(4.6 – 11.2)	9.7	(6.0 – 15.4)	13.2	(7.3 – 22.7)
Female	11.3	(10.4 – 12.2)	10.6	(9.7 – 11.5)	13.6	(10.8 – 16.9)	13.8	(9.5 – 19.6)	12.9	(7.6 – 20.9)
Education										
High school graduate or less	9.6	(8.6 – 10.7)	8.7	(7.7 – 9.8)	12.0	(8.8 – 16.2)	14.3	(9.2 – 21.6)	15.4	(9.0 – 25.0)
Some college or more	8.6	(7.9 – 9.4)	8.1	(7.4 – 9.0)	10.1	(7.6 – 13.3)	10.3	(6.8 – 15.2)	10.7	(5.8 – 19.0)
Household Income										
< \$20,000	13.9	(11.9 – 16.1)	11.9	(9.9 – 14.3)	17.6	(12.8 – 23.6)	13.3	(6.9 – 24.1)	----- ^c	
\$20,000 - \$34,999	10.8	(9.3 – 12.4)	10.3	(8.8 – 12.0)	12.6	(8.4 – 18.6)	16.5	(9.8 – 26.5)	----- ^c	
\$35,000 +	7.8	(7.0 – 8.6)	7.7	(6.9 – 8.6)	6.2	(3.9 – 9.6)	10.9	(6.6 – 17.4)	11.0	(6.1 – 18.9)

^a Among all respondents, the proportion who reported that they still had asthma.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

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**Table 21: Current Smoking^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	21.9	(21.0 – 22.9)	20.9	(19.9 – 21.9)	23.9	(20.9 – 27.2)	30.3	(25.6 – 35.5)	28.4	(22.1 – 35.6)
Age										
18 - 34	27.7	(25.5 – 30.0)	27.3	(24.8 – 30.0)	24.1	(18.6 – 30.7)	33.1	(24.5 – 43.0)	36.2	(26.1 – 47.7)
35 - 54	25.1	(23.7 – 26.6)	24.0	(22.5 – 25.5)	29.4	(24.4 – 35.0)	34.2	(27.0 – 42.2)	23.0	(14.6 – 34.3)
55 +	12.3	(11.3 – 13.3)	11.6	(10.7 – 12.7)	15.0	(11.5 – 19.5)	17.6	(11.6 – 25.7)	15.1	(7.4 – 28.4)
Gender										
Male	23.8	(22.3 – 25.3)	22.3	(20.8 – 24.0)	27.5	(22.1 – 33.7)	33.3	(26.0 – 41.4)	32.1	(22.9 – 43.0)
Female	20.3	(19.2 – 21.4)	19.6	(18.4 – 20.8)	21.2	(18.0 – 24.8)	27.4	(21.6 – 34.0)	24.1	(16.5 – 33.8)
Education										
High school graduate or less	29.6	(27.9 – 31.2)	28.8	(27.1 – 30.6)	27.6	(22.8 – 32.9)	45.0	(36.3 – 54.1)	38.0	(28.1 – 49.1)
Some college or more	16.8	(15.7 – 17.9)	15.6	(14.5 – 16.8)	21.1	(17.3 – 25.4)	23.2	(18.0 – 29.4)	19.0	(12.4 – 28.1)
Household Income										
< \$20,000	32.6	(29.7 – 35.6)	32.0	(28.7 – 35.5)	31.2	(24.8 – 38.3)	41.9	(29.9 – 55.0)	----- ^c	
\$20,000 - \$34,999	27.8	(25.6 – 30.2)	27.5	(25.0 – 30.1)	23.8	(18.1 – 30.5)	44.1	(33.2 – 55.5)	----- ^c	
\$35,000 +	18.1	(17.0 – 19.3)	17.7	(16.5 – 18.9)	19.7	(15.3 – 25.1)	20.8	(15.0 – 28.1)	21.5	(14.0 – 31.4)

^a The proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 22: Heavy Drinking^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.7	(5.2 – 6.3)	6.2	(5.6 – 6.8)	3.4	(2.2 – 5.2)	4.3	(2.7 – 6.9)	5.4	(2.9 – 10.1)
Age										
18 - 34	7.9	(6.6 – 9.4)	9.2	(7.6 – 11.2)	3.6	(1.9 – 6.5)	4.3	(2.0 – 9.2)	4.7	(1.7 – 12.1)
35 - 54	5.6	(4.9 – 6.5)	5.8	(5.1 – 6.7)	4.3	(2.2 – 8.3)	5.0	(2.5 – 9.9)	8.0	(3.2 – 18.3)
55 +	3.6	(3.1 – 4.1)	3.9	(3.4 – 4.5)	1.7	(0.8 – 3.5)	2.9	(1.0 – 8.4)	2.1	(0.5 – 8.6)
Gender										
Male	6.6	(5.7 – 7.6)	7.1	(6.1 – 8.2)	4.7	(2.5 – 8.5)	4.3	(2.2 – 8.2)	5.8	(2.3 – 13.7)
Female	4.9	(4.3 – 5.5)	5.3	(4.7 – 6.1)	2.5	(1.4 – 4.1)	4.3	(2.2 – 8.3)	5.1	(2.1 – 11.7)
Education										
High school graduate or less	6.1	(5.3 – 7.1)	6.6	(5.6 – 7.7)	2.8	(1.4 – 5.7)	7.6	(4.2 – 13.4)	6.5	(2.6 – 14.9)
Some college or more	5.4	(4.8 – 6.2)	5.9	(5.2 – 6.7)	3.9	(2.3 – 6.5)	2.7	(1.2 – 5.8)	4.5	(1.9 – 10.6)
Household Income										
< \$20,000	6.1	(4.6 – 8.0)	7.1	(5.3 – 9.6)	3.9	(1.7 – 8.6)	2.2	(0.6 – 7.0)	----- ^c	
\$20,000 - \$34,999	5.7	(4.5 – 7.1)	6.3	(4.9 – 8.0)	2.8	(1.1 – 6.5)	7.9	(3.6 – 16.7)	----- ^c	
\$35,000 +	6.0	(5.3 – 6.7)	6.2	(5.5 – 7.0)	4.2	(2.2 – 7.8)	4.5	(2.1 – 9.3)	6.2	(2.5 – 14.3)

^a The proportion who reported consuming on average more than two alcoholic beverages per day for men or more than one alcoholic beverage per day for women.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 23: Binge Drinking^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	16.7	(15.8 – 17.6)	17.8	(16.9 – 18.9)	10.4	(8.1 – 13.1)	15.1	(11.4 – 19.6)	16.2	(11.2 – 22.8)
Age										
18 - 34	26.8	(24.6 – 29.2)	29.3	(26.7 – 32.1)	17.3	(12.5 – 23.4)	23.9	(16.4 – 33.5)	20.7	(12.9 – 31.5)
35 - 54	16.9	(15.7 – 18.2)	18.7	(17.4 – 20.2)	8.9	(5.9 – 13.2)	11.4	(6.9 – 18.2)	13.5	(6.9 – 25.0)
55 +	6.4	(5.7 – 7.2)	6.9	(6.1 – 7.7)	3.0	(1.7 – 5.4)	7.1	(3.7 – 13.3)	7.3	(2.5 – 19.4)
Gender										
Male	24.1	(22.6 – 25.7)	25.9	(24.2 – 27.6)	16.2	(11.8 – 21.9)	19.2	(13.6 – 26.3)	18.2	(11.1 – 28.4)
Female	9.8	(9.0 – 10.8)	10.4	(9.4 – 11.4)	6.0	(4.3 – 8.4)	11.0	(6.8 – 17.3)	13.9	(8.0 – 23.1)
Education										
High school graduate or less	17.5	(16.0 – 19.0)	18.7	(17.1 – 20.4)	12.5	(8.9 – 17.2)	14.4	(9.1 – 22.0)	13.4	(7.1 – 23.9)
Some college or more	16.2	(15.1 – 17.4)	17.3	(16.1 – 18.6)	8.6	(6.0 – 12.1)	15.6	(11.0 – 21.7)	18.8	(12.0 – 28.2)
Household Income										
< \$20,000	15.0	(12.7 – 17.7)	16.5	(13.6 – 19.8)	11.9	(7.6 – 18.2)	14.1	(7.4 – 25.3)	----- ^c	
\$20,000 - \$34,999	14.8	(13.0 – 16.9)	15.9	(13.8 – 18.3)	7.9	(4.7 – 12.9)	17.9	(10.7 – 28.4)	----- ^c	
\$35,000 +	19.3	(18.0 – 20.5)	20.1	(18.7 – 21.4)	12.2	(8.3 – 17.6)	16.7	(10.9 – 24.6)	20.7	(13.0 – 31.3)

^a The proportion who reported consuming five or more drinks per occasion at least once in the previous month.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 24: Ever Told Heart Attack Among Those Aged 35 Years and Older^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.6	(6.1 – 7.1)	6.5	(6.0 – 7.1)	7.0	(5.2 – 9.4)	7.5	(8.2 – 10.7)	4.9	(2.3 – 10.2)
Age										
35 - 54	2.4	(1.9 – 2.9)	2.3	(1.8 – 2.9)	2.8	(1.3 – 5.9)	3.6	(1.8 – 7.0)	1.4	(0.2 – 9.0)
55 +	12.1	(11.2 – 13.2)	11.8	(10.8 – 12.9)	13.8	(10.2 – 18.5)	15.7	(10.3 – 23.2)	13.7	(6.2 – 27.7)
Gender										
Male	8.2	(7.4 – 9.2)	8.8	(7.9 – 9.9)	5.9	(3.5 – 9.9)	5.5	(2.9 – 10.1)	3.9	(1.2 – 11.6)
Female	5.1	(4.5 – 5.7)	4.4	(3.9 – 5.0)	7.8	(5.4 – 11.1)	9.4	(6.0 – 14.4)	6.0	(2.1 – 15.5)
Education										
High school graduate or less	9.4	(8.5 – 10.5)	9.2	(8.2 – 10.2)	10.8	(7.4 – 15.6)	12.3	(7.7 – 19.1)	7.8	(3.0 – 18.8)
Some college or more	4.6	(4.1 – 5.3)	4.8	(4.2 – 5.5)	4.1	(2.5 – 6.6)	4.8	(2.7 – 8.5)	2.5	(0.7 – 8.2)
Household Income										
< \$20,000	12.9	(11.0 – 15.0)	13.0	(11.0 – 15.4)	11.1	(6.9 – 17.3)	17.2	(9.6 – 28.9)	----- ^c	
\$20,000 - \$34,999	9.6	(8.2 – 11.2)	10.1	(8.5 – 11.9)	7.6	(4.3 – 13.3)	10.0	(5.0 – 19.2)	----- ^c	
\$35,000 +	3.8	(3.3 – 4.4)	4.0	(3.4 – 4.6)	3.9	(1.9 – 7.8)	1.6	(0.5 – 4.9)	0.9	(0.1 – 6.0)

^a Among those aged 35 years and older, the proportion who had ever been told by a doctor that they had a heart attack or myocardial infarction.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 25: Ever Told Heart Attack^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.7	(4.3 – 5.1)	4.8	(4.4 – 5.2)	4.5	(3.3 – 6.0)	4.8	(3.4 – 6.9)	2.8	(1.4 – 5.6)
Age										
18 - 34	0.2	(0.1 – 0.6)	0.2	(0.1 – 0.8)	0*		0.5	(0.1 – 3.5)	0.7	(0.1 – 5.1)
35 - 54	2.4	(1.9 – 2.9)	2.3	(1.8 – 2.9)	2.8	(1.3 – 5.9)	3.6	(1.8 – 7.0)	1.4	(0.2 – 9.0)
55 +	12.1	(11.2 – 13.2)	11.8	(10.8 – 12.9)	13.8	(10.2 – 18.5)	15.7	(10.3 – 23.2)	13.7	(6.2 – 27.7)
Gender										
Male	5.8	(5.2 – 6.5)	6.4	(5.7 – 7.1)	3.7	(2.2 – 6.3)	3.4	(1.8 – 6.3)	2.6	(1.0 – 6.8)
Female	3.6	(3.2 – 4.1)	3.2	(2.8 – 3.7)	5.0	(3.5 – 7.2)	6.3	(4.0 – 9.6)	3.0	(1.1 – 8.2)
Education										
High school graduate or less	6.7	(6.0 – 7.4)	6.7	(6.0 – 7.5)	6.7	(4.6 – 9.8)	8.9	(5.6 – 13.8)	3.5	(1.4 – 8.9)
Some college or more	3.3	(2.9 – 3.7)	3.5	(3.0 – 4.0)	2.7	(1.6 – 4.3)	2.9	(1.6 – 5.1)	2.1	(0.7 – 5.8)
Household Income										
< \$20,000	9.2	(7.8 – 10.8)	10.1	(8.5 – 12.1)	7.2	(4.4 – 11.3)	9.8	(5.4 – 17.1)	----- ^c	
\$20,000 - \$34,999	6.6	(5.6 – 7.8)	7.3	(6.1 – 8.6)	4.4	(2.4 – 7.7)	7.0	(3.5 – 13.7)	----- ^c	
\$35,000 +	2.8	(2.4 – 3.2)	2.9	(2.5 – 3.4)	2.7	(1.4 – 5.5)	1.4	(0.5 – 3.8)	1.3	(0.3 – 5.3)

^a Among all adults, the proportion who had ever been told by a doctor that they had a heart attack or myocardial infarction.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

*Zero respondents in this subgroup reported ever being told by a doctor that they had a heart attack or myocardial infarction (n=256).

**Table 26: Ever Told Angina or Coronary Heart Disease Among Those Aged 35 Years and Older^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.3	(5.8 – 6.9)	6.3	(5.8 – 6.9)	5.9	(4.3 – 7.9)	7.9	(5.3 – 11.6)	4.5	(2.1 – 9.3)
Age										
35 - 54	2.3	(1.9 – 2.9)	2.2	(1.7 – 2.9)	3.0	(1.6 – 5.4)	2.9	(1.2 – 7.0)	1.3	(0.3 – 5.4)
55 +	11.7	(10.8 – 12.7)	11.5	(10.6 – 12.6)	10.5	(7.4 – 14.6)	18.4	(12.2 – 26.9)	12.4	(5.2 – 26.6)
Gender										
Male	8.0	(7.1 – 8.9)	8.3	(7.4 – 9.4)	5.2	(3.0 – 8.9)	8.1	(4.4 – 14.5)	5.0	(1.8 – 12.9)
Female	4.9	(4.4 – 5.5)	4.5	(4.0 – 5.1)	6.3	(4.4 – 9.0)	7.8	(4.8 – 12.5)	3.9	(1.2 – 12.2)
Education										
High school graduate or less	8.0	(7.2 – 8.9)	7.8	(7.0 – 8.8)	7.3	(4.8 – 10.9)	14.8	(9.3 – 22.7)	6.1	(2.1 – 16.4)
Some college or more	5.2	(4.6 – 5.9)	5.4	(4.7 – 6.1)	4.9	(3.1 – 7.7)	4.1	(2.0 – 8.2)	3.1	(1.1 – 8.8)
Household Income										
< \$20,000	11.8	(10.1 – 13.8)	12.6	(10.6 – 14.9)	9.1	(5.5 – 14.6)	18.0	(10.2 – 30.0)	----- ^c	
\$20,000 - \$34,999	9.4	(8.0 – 11.0)	10.1	(8.5 – 11.8)	5.6	(2.7 – 11.0)	9.4	(4.4 – 19.2)	----- ^c	
\$35,000 +	4.1	(3.5 – 4.7)	4.2	(3.6 – 4.8)	4.2	(2.4 – 7.1)	3.9	(1.3 – 10.7)	1.5	(0.4 – 5.9)

^a Among those aged 35 years and older, the proportion who had ever been told by a doctor that they had angina or coronary heart disease.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 27: Ever Told Angina or Coronary Heart Disease^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.6	(4.2 – 5.0)	4.7	(4.3 – 5.1)	3.9	(2.9 – 5.3)	5.8	(4.0 – 8.5)	2.2	(1.0 – 4.7)
Age										
18 - 34	0.5	(0.2 – 0.9)	0.4	(0.2 – 0.9)	0.4	(0.1 – 1.7)	1.4	(0.2 – 9.1)	0*	
35 - 54	2.3	(1.9 – 2.9)	2.2	(1.7 – 2.9)	3.0	(1.6 – 5.4)	2.9	(1.2 – 7.0)	1.3	(0.3 – 5.4)
55 +	11.7	(10.8 – 12.7)	11.5	(10.6 – 12.6)	10.5	(7.4 – 14.6)	18.4	(12.2 – 26.9)	12.4	(5.2 – 26.6)
Gender										
Male	5.6	(5.0 – 6.3)	6.0	(5.3 – 6.7)	3.3	(1.9 – 5.7)	6.4	(3.6 – 11.2)	2.4	(0.9 – 6.4)
Female	3.7	(3.3 – 4.1)	3.5	(3.1 – 4.0)	4.4	(3.1 – 6.2)	5.2	(3.2 – 8.3)	2.0	(0.6 – 6.5)
Education										
High school graduate or less	5.7	(5.1 – 6.4)	5.8	(5.2 – 6.6)	4.7	(3.1 – 7.0)	10.0	(6.3 – 15.7)	2.8	(1.0 – 7.8)
Some college or more	3.8	(3.4 – 4.3)	3.9	(3.4 – 4.5)	3.3	(2.1 – 5.2)	3.5	(1.8 – 6.8)	1.7	(0.6 – 4.8)
Household Income										
< \$20,000	8.5	(7.2 – 10.0)	9.3	(7.8 – 11.1)	6.2	(3.8 – 9.9)	13.9	(7.7 – 23.9)	----- ^c	
\$20,000 - \$34,999	6.8	(5.8 – 7.9)	7.6	(6.4 – 9.0)	3.5	(1.8 – 6.8)	6.6	(3.0 – 13.8)	----- ^c	
\$35,000 +	3.0	(2.6 – 3.4)	3.1	(2.6 – 3.6)	2.9	(1.7 – 5.0)	2.4	(0.8 – 6.9)	0.9	(0.2 – 3.8)

^a Among all adults, the proportion who had ever been told by a doctor that they had angina or coronary heart disease.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

*Zero respondents in this subgroup reported ever being told by a doctor that they had a heart attack or myocardial infarction (n=83).

**Table 28: Ever Told Stroke Among Those Aged 35 Years and Older^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.9	(3.5 – 4.3)	3.6	(3.2 – 4.0)	5.4	(3.9 – 9.6)	4.5	(2.8 – 7.3)	4.0	(1.8 – 8.7)
Age										
35 - 54	2.1	(1.7 – 2.6)	1.7	(1.3 – 2.3)	4.3	(2.5 – 7.3)	3.4	(1.6 – 7.3)	0.5	(0.1 – 3.5)
55 +	6.2	(5.5 – 6.9)	5.9	(5.2 – 6.6)	7.2	(4.7 – 10.8)	6.8	(3.6 – 12.2)	12.9	(5.6 – 26.8)
Gender										
Male	3.4	(2.9 – 4.0)	3.3	(2.8 – 4.0)	2.7	(1.4 – 5.3)	3.8	(1.6 – 8.7)	5.5	(1.9 – 14.8)
Female	4.3	(3.7 – 4.9)	3.8	(3.3 – 4.4)	7.5	(5.1 – 10.8)	5.2	(2.9 – 9.2)	2.4	(0.9 – 6.5)
Education										
High school graduate or less	5.3	(4.6 – 6.1)	4.8	(4.2 – 5.6)	7.5	(4.9 – 11.4)	6.9	(3.5 – 13.3)	6.4	(2.4 – 16.3)
Some college or more	2.9	(2.4 – 3.4)	2.7	(2.3 – 3.2)	3.9	(2.2 – 6.7)	3.2	(1.6 – 6.4)	2.1	(0.6 – 7.3)
Household Income										
< \$20,000	10.0	(8.3 – 12.0)	9.1	(7.4 – 11.0)	13.0	(8.4 – 19.6)	10.4	(5.0 – 20.1)	----- ^c	
\$20,000 - \$34,999	4.0	(3.2 – 5.0)	4.6	(3.6 – 5.8)	2.4	(0.9 – 5.8)	1.0	(0.1 – 6.7)	----- ^c	
\$35,000 +	2.0	(1.6 – 2.4)	1.8	(1.5 – 2.3)	2.9	(1.3 – 6.2)	3.8	(1.4 – 9.4)	1.7	(0.4 – 6.9)

^a Among those aged 35 years and older, the proportion who had ever been told by a doctor that they had a stroke.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 29: Ever Told Stroke^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.0	(2.7 – 3.3)	2.8	(2.5 – 3.1)	4.0	(2.8 – 5.6)	3.1	(1.9 – 5.1)	3.4	(1.8 – 6.5)
Age										
18 - 34	0.9	(0.5 – 1.6)	0.7	(1.3 – 2.3)	1.5	(0.4 – 4.9)	0.8	(0.1 – 5.5)	2.8	(0.9 – 8.6)
35 - 54	2.1	(1.7 – 2.6)	1.7	(1.3 – 2.3)	4.3	(2.5 – 7.3)	3.4	(1.6 – 7.3)	0.5	(0.1 – 3.5)
55 +	6.2	(5.5 – 6.9)	5.9	(5.2 – 6.6)	7.2	(4.7 – 10.8)	6.8	(3.6 – 12.2)	12.9	(5.6 – 26.8)
Gender										
Male	2.7	(2.2 – 3.2)	2.7	(2.2 – 3.2)	2.1	(1.1 – 4.2)	3.0	(1.4 – 6.5)	3.7	(1.5 – 9.2)
Female	3.2	(2.8 – 3.7)	2.9	(2.5 – 3.3)	5.4	(3.7 – 7.8)	3.3	(1.8 – 5.8)	3.0	(1.2 – 7.4)
Education										
High school graduate or less	4.0	(3.5 – 4.6)	3.8	(3.2 – 4.4)	5.1	(3.3 – 7.7)	5.6	(2.9 – 10.6)	2.9	(1.1 – 7.8)
Some college or more	2.2	(1.9 – 2.7)	2.1	(1.7 – 2.5)	3.2	(1.8 – 5.4)	1.9	(0.9 – 3.8)	3.9	(1.6 – 9.1)
Household Income										
< \$20,000	7.4	(6.1 – 8.9)	7.1	(5.8 – 8.8)	8.7	(5.6 – 13.3)	5.9	(2.8 – 11.8)	----- ^c	
\$20,000 - \$34,999	3.1	(2.4 – 3.9)	3.4	(2.7 – 4.3)	2.5	(0.9 – 6.6)	0.7	(0.1 – 4.7)	----- ^c	
\$35,000 +	1.6	(1.3 – 2.0)	1.4	(1.1 – 1.8)	2.5	(1.2 – 5.1)	2.4	(0.9 – 6.0)	2.1	(0.6 – 6.7)

^a Among all adults, the proportion who had ever been told by a doctor that they had a stroke.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 30: Ever Told High Blood Pressure^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	27.8	(26.9 – 28.8)	27.0	(26.0 – 27.9)	35.0	(31.6 – 38.4)	25.3	(21.1 – 30.0)	23.9	(18.2 – 30.6)
Age										
18 - 34	8.0	(6.7 – 9.5)	7.0	(5.7 – 8.6)	10.7	(6.9 – 16.1)	4.9	(2.2 – 10.5)	16.7	(9.3 – 28.1)
35 - 54	23.4	(22.1 – 24.9)	21.4	(20.1 – 22.9)	34.5	(29.0 – 40.4)	27.4	(20.6 – 35.5)	24.7	(15.9 – 36.2)
55 +	53.2	(51.7 – 54.7)	51.0	(49.5 – 52.6)	70.8	(65.4 – 75.7)	55.7	(46.2 – 64.8)	46.6	(33.4 – 60.3)
Gender										
Male	28.6	(27.1 – 30.1)	27.4	(25.9 – 28.9)	36.3	(30.5 – 42.5)	29.5	(23.0 – 37.0)	27.8	(19.2 – 38.4)
Female	27.2	(26.1 – 28.3)	26.6	(25.4 – 27.7)	34.0	(30.2 – 37.9)	21.0	(16.2 – 26.7)	19.4	(13.2 – 27.5)
Education										
High school graduate or less	32.3	(30.8 – 33.8)	31.6	(30.0 – 33.2)	37.2	(32.1 – 42.5)	28.9	(22.1 – 36.8)	30.7	(21.8 – 41.3)
Some college or more	24.8	(23.7 – 25.9)	23.8	(22.7 – 25.0)	33.2	(28.8 – 37.8)	23.4	(18.2 – 29.4)	17.2	(11.0 – 25.9)
Household Income										
< \$20,000	38.7	(36.0 – 41.6)	39.0	(35.8 – 42.2)	37.5	(31.1 – 44.3)	29.8	(20.7 – 40.7)	----- ^c	
\$20,000 - \$34,999	32.8	(30.6 – 35.1)	33.1	(30.8 – 35.5)	34.8	(28.3 – 41.9)	29.4	(20.3 – 40.6)	----- ^c	
\$35,000 +	23.6	(22.4 – 24.8)	22.8	(21.6 – 24.0)	34.8	(29.3 – 40.7)	20.2	(14.4 – 27.5)	17.7	(11.2 – 26.7)

^a Among all adults, the proportion who reported that they were ever told by a doctor that they have high blood pressure (HBP). Women who had HBP only during pregnancy and adults who were borderline hypertensive were considered to not have been diagnosed.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 31: Cholesterol Ever Checked^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	80.1	(79.1 – 81.1)	80.6	(79.5 – 81.7)	81.8	(78.5 – 84.7)	73.6	(68.3 – 78.4)	71.1	(63.7 – 77.6)
Age										
18 - 34	54.4	(51.8 – 56.9)	52.3	(49.3 – 55.2)	66.5	(59.3 – 73.0)	51.7	(41.8 – 61.4)	53.3	(41.9 – 64.3)
35 - 54	86.9	(85.7 – 88.0)	86.9	(85.6 – 88.1)	87.4	(82.8 – 91.0)	83.8	(76.7 – 89.0)	88.8	(78.7 – 94.4)
55 +	95.6	(94.9 – 96.2)	96.2	(95.6 – 96.7)	93.6	(89.8 – 96.1)	90.7	(83.1 – 95.1)	88.7	(73.3 – 95.7)
Gender										
Male	76.9	(75.2 – 78.5)	77.7	(75.9 – 79.5)	77.4	(71.0 – 82.8)	68.1	(59.9 – 75.3)	65.5	(54.7 – 74.9)
Female	83.2	(81.9 – 84.3)	83.3	(81.9 – 84.5)	85.0	(81.6 – 87.9)	79.4	(72.4 – 84.9)	77.8	(67.4 – 85.6)
Education										
High school graduate or less	73.9	(72.1 – 75.6)	74.7	(72.7 – 76.5)	74.2	(68.5 – 79.2)	65.8	(56.1 – 74.4)	64.8	(53.5 – 74.7)
Some college or more	84.4	(83.2 – 85.5)	84.5	(83.2 – 85.8)	87.9	(83.9 – 90.9)	77.3	(70.9 – 82.6)	77.2	(67.4 – 84.7)
Household Income										
< \$20,000	73.1	(69.9 - 76.1)	74.3	(70.4 – 77.8)	73.4	(65.9 – 79.7)	58.8	(45.8 – 70.8)	----- ^c	
\$20,000 - \$34,999	77.7	(75.2 - 80.0)	78.2	(75.4 – 80.7)	78.1	(70.8 – 84.0)	79.3	(66.7 – 88.0)	----- ^c	
\$35,000 +	83.8	(82.5 – 85.0)	83.4	(82.0 – 84.7)	91.1	(86.6 – 94.2)	80.4	(72.6 – 86.4)	79.2	(68.7 – 86.8)

^a Among all adults, the proportion who reported ever having their blood cholesterol checked.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 32: Cholesterol Checked Within Past Five Years^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	76.4	(75.4 – 77.4)	76.5	(75.4 – 77.7)	79.7	(76.3 – 82.8)	70.2	(64.7 – 75.1)	68.7	(61.2 – 75.3)
Age										
18 - 34	51.2	(48.6 – 53.7)	49.0	(46.0 – 51.9)	63.9	(56.6 – 70.6)	48.1	(38.3 – 58.1)	51.0	(39.7 – 62.3)
35 - 54	81.1	(79.8 – 82.4)	80.5	(79.0 – 81.9)	85.1	(80.2 – 88.9)	78.8	(71.5 – 84.7)	84.8	(74.2 – 91.6)
55 +	94.0	(93.2 – 94.7)	94.5	(93.7 – 95.1)	92.6	(88.7 – 95.3)	89.8	(82.2 – 94.3)	88.7	(73.3 – 95.7)
Gender										
Male	72.7	(71.0 – 74.4)	73.3	(71.4 – 75.1)	74.2	(67.6 – 79.9)	65.7	(57.5 – 73.0)	61.6	(50.8 – 71.4)
Female	79.9	(78.6 – 81.1)	79.6	(78.2 – 80.9)	83.7	(80.2 – 86.7)	74.9	(67.7 – 80.9)	77.3	(66.7 – 85.2)
Education										
High school graduate or less	70.9	(69.1 – 72.7)	71.2	(69.2 – 73.2)	73.2	(67.5 – 78.3)	63.0	(53.4 – 71.6)	63.4	(52.0 – 73.4)
Some college or more	80.1	(78.8 – 81.3)	80.0	(78.6 – 81.3)	84.9	(80.7 – 88.4)	73.5	(66.9 – 79.2)	73.7	(63.7 – 81.8)
Household Income										
< \$20,000	69.6	(66.4 - 72.7)	70.2	(66.4 – 73.8)	71.9	(64.2 – 78.4)	55.9	(43.0 – 68.1)	----- ^c	
\$20,000 - \$34,999	74.3	(71.7 - 76.7)	74.6	(71.8 – 77.2)	76.2	(68.8 – 82.4)	76.1	(63.6 – 85.4)	----- ^c	
\$35,000 +	79.6	(78.3 – 80.9)	79.0	(77.5 – 80.4)	88.1	(83.2 – 91.8)	76.3	(68.3 – 82.7)	77.7	(67.2 – 85.6)

^a Among all adults, the proportion who reported that they have had their blood cholesterol checked within the past five years.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 33: Told High Cholesterol^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	38.9	(37.8 – 40.0)	39.5	(38.3 – 40.7)	35.2	(31.5 – 39.1)	36.0	(30.5 – 41.9)	38.8	(30.9 – 47.4)
Age										
18 - 34	15.2	(12.9 – 17.8)	14.1	(11.7 – 17.0)	15.2	(9.8 – 22.9)	10.6	(4.7 – 22.1)	----- ^c	
35 - 54	36.5	(34.8 – 38.2)	36.3	(34.5 – 38.1)	36.2	(30.2 – 42.6)	40.7	(32.4 – 49.5)	34.6	(23.8 – 47.2)
55 +	54.5	(53.0 – 56.1)	54.7	(53.0 – 53.2)	53.1	(47.2 – 58.8)	52.9	(43.1 – 62.6)	61.5	(47.1 – 74.1)
Gender										
Male	41.5	(39.7 – 43.3)	41.7	(39.8 – 43.6)	39.7	(32.9 – 47.0)	39.8	(31.2 – 49.1)	41.4	(29.2 – 54.6)
Female	36.6	(35.3 – 38.0)	37.6	(36.2 – 39.0)	32.1	(28.1 – 36.5)	32.7	(26.0 – 40.1)	36.2	(26.8 – 46.9)
Education										
High school graduate or less	43.1	(41.3 – 45.0)	43.9	(41.9 – 45.8)	38.9	(33.1 – 45.2)	44.0	(34.5 – 54.0)	37.8	(26.1 – 51.2)
Some college or more	36.3	(34.9 – 37.7)	36.8	(35.4 – 38.3)	32.5	(27.8 – 37.6)	32.6	(26.0 – 40.0)	39.6	(29.4 – 50.8)
Household Income										
< \$20,000	43.3	(40.2 - 46.6)	45.9	(42.4 – 49.5)	37.6	(30.2 – 45.6)	38.1	(24.8 – 53.5)	----- ^c	
\$20,000 - \$34,999	44.5	(41.9 - 47.2)	46.4	(43.5 – 49.2)	36.6	(29.3 – 44.6)	43.5	(31.8 – 56.0)	----- ^c	
\$35,000 +	36.1	(34.7 – 37.6)	36.3	(34.8 – 37.8)	35.6	(29.7 – 42.0)	32.6	(24.9 – 41.4)	34.4	(24.6 – 45.7)

^a Among those who ever had their blood cholesterol checked, the proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 34: Chronic Joint Symptoms (Not Doctor Diagnosed Arthritis)^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.6	(13.8 – 15.3)	14.7	(13.8 – 15.5)	13.3	(11.0 – 16.0)	15.2	(11.8 – 19.4)	16.8	(11.8 – 23.3)
Age										
18 - 34	15.3	(13.7 – 17.2)	15.3	(13.4 – 17.4)	13.8	(9.7 – 19.4)	15.3	(9.6 – 23.7)	21.3	(13.5 – 31.9)
35 - 54	17.2	(16.1 – 18.5)	17.7	(16.4 – 19.0)	15.5	(11.7 – 20.2)	17.0	(11.9 – 23.6)	15.2	(8.2 – 26.4)
55 +	10.2	(9.3 – 11.1)	10.3	(9.4 – 11.3)	9.0	(6.4 – 12.5)	11.8	(6.6 – 20.2)	5.1	(1.4 – 16.4)
Gender										
Male	15.5	(14.3 – 16.8)	15.5	(14.2 – 16.9)	12.2	(8.5 – 17.2)	16.1	(11.2 – 22.4)	23.9	(15.8 – 34.4)
Female	13.7	(12.8 – 14.7)	13.9	(12.9 – 14.9)	14.2	(11.5 – 17.4)	14.3	(9.9 – 20.3)	8.8	(4.7 – 15.8)
Education										
High school graduate or less	14.1	(12.9 – 15.4)	14.0	(12.7 – 15.4)	13.6	(10.2 – 18.0)	15.7	(10.3 – 23.2)	16.4	(9.7 – 26.5)
Some college or more	14.9	(13.9 – 15.9)	15.1	(14.1 – 16.2)	12.8	(9.9 – 16.4)	15.1	(10.9 – 20.5)	17.2	(10.7 – 26.5)
Household Income										
< \$20,000	13.8	(11.9 - 16.0)	12.5	(10.4 – 14.9)	15.7	(11.3 – 21.3)	14.9	(8.4 – 24.9)	----- ^c	
\$20,000 - \$34,999	13.5	(11.9 - 15.3)	14.2	(12.4 – 16.3)	9.4	(6.2 – 14.2)	15.5	(9.1 – 25.0)	----- ^c	
\$35,000 +	15.6	(14.6 – 16.7)	15.7	(14.6 – 16.9)	14.5	(10.6 – 19.4)	18.2	(12.5 – 25.7)	13.0	(7.3 – 22.1)

^a The proportion who reported having had any symptoms of pain, aching, or stiffness in or around the joint (excluding the back or neck) during the past 30 days that first started more than three months ago and who have not been diagnosed with arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia by a health care professional.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 35: Doctor Diagnosed Arthritis^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	30.9	(30.0 – 31.9)	31.4	(30.4 – 32.4)	29.9	(26.8 – 33.2)	30.0	(25.5 – 34.9)	21.5	(16.4 – 27.8)
Age										
18 - 34	8.8	(7.5 – 10.2)	9.0	(7.6 – 10.7)	7.1	(4.4 – 11.2)	10.5	(5.7 – 18.5)	8.8	(3.9 – 18.5)
35 - 54	27.5	(26.1 – 29.0)	26.9	(25.4 – 28.4)	29.9	(24.8 – 35.5)	31.8	(24.8 – 39.8)	25.1	(16.2 – 36.8)
55 +	57.5	(56.0 – 59.0)	56.8	(55.3 – 58.4)	62.3	(56.8 – 67.6)	58.7	(49.1 – 67.7)	58.2	(43.9 – 71.3)
Gender										
Male	26.3	(24.9 – 27.7)	26.8	(25.3 – 28.3)	24.5	(19.7 – 30.1)	26.3	(20.0 – 33.7)	18.7	(11.7 – 28.6)
Female	35.2	(34.0 – 36.4)	35.7	(34.4 – 37.1)	34.0	(30.2 – 38.0)	33.7	(27.7 – 40.3)	24.7	(17.9 – 33.2)
Education										
High school graduate or less	35.1	(33.5 – 36.6)	36.5	(34.8 – 38.2)	30.6	(26.0 – 35.6)	35.9	(28.3 – 44.4)	19.2	(12.9 – 27.7)
Some college or more	28.2	(27.0 – 29.3)	28.1	(26.8 – 29.3)	29.6	(25.5 – 34.1)	26.6	(21.3 – 32.8)	23.8	(16.3 – 33.4)
Household Income										
< \$20,000	42.4	(39.5 - 45.3)	46.5	(43.1 – 49.9)	32.5	(26.5 – 39.1)	42.0	(30.4 – 54.5)	----- ^c	
\$20,000 - \$34,999	36.9	(34.6 - 39.2)	38.8	(36.3 – 41.4)	32.7	(26.5 – 39.6)	31.5	(22.4 – 42.2)	----- ^c	
\$35,000 +	26.3	(25.1 – 27.5)	26.5	(25.2 – 27.7)	27.4	(22.4 – 32.9)	22.4	(16.7 – 29.5)	21.8	(14.7 – 31.1)

^a The proportion who reported ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.
^b Total estimates include all racial groups.
^c This subgroup had a sample size that was less than 50 respondents.

**Table 36: Disability^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	21.5	(20.7 - 22.4)	20.9	(20.0 - 21.8)	24.4	(21.5 - 27.6)	25.3	(21.2 - 29.9)	17.4	(12.5 - 23.6)
Age										
18 - 34	11.4	(9.9 - 13.1)	11.3	(9.6 - 13.2)	9.3	(6.0 - 14.0)	13.9	(8.6 - 21.5)	16.2	(9.3 - 26.6)
35 - 54	20.3	(19.0 - 21.7)	18.6	(17.3 - 19.9)	29.2	(24.1 - 35.0)	27.5	(21.0 - 35.0)	16.4	(9.5 - 26.8)
55 +	33.2	(31.8 - 34.6)	32.2	(30.8 - 33.7)	39.0	(33.6 - 44.6)	41.1	(32.4 - 50.4)	24.7	(14.6 - 38.6)
Gender										
Male	19.2	(17.9 - 20.5)	18.9	(17.6 - 20.3)	19.2	(14.8 - 24.6)	23.7	(17.9 - 30.6)	16.5	(9.8 - 26.4)
Female	23.7	(22.6 - 24.8)	22.8	(21.6 - 23.9)	28.4	(24.8 - 32.3)	26.9	(21.4 - 33.2)	18.4	(12.2 - 26.8)
Education										
High school graduate or less	25.0	(23.7 - 26.5)	24.4	(22.9 - 26.0)	26.8	(22.4 - 31.7)	32.0	(24.5 - 40.6)	21.4	(13.9 - 31.4)
Some college or more	19.1	(18.1 - 20.2)	18.5	(17.5 - 19.6)	22.7	(18.9 - 27.1)	21.9	(17.2 - 27.3)	13.5	(8.1 - 21.7)
Household Income										
< \$20,000	42.8	(39.8 - 45.8)	45.5	(42.0 - 48.9)	38.0	(31.5 - 44.9)	40.2	(29.1 - 52.4)	----- ^c	
\$20,000 - \$34,999	25.8	(23.8 - 27.9)	26.2	(24.0 - 28.6)	21.3	(16.2 - 27.5)	38.5	(28.3 - 49.8)	----- ^c	
\$35,000 +	15.0	(14.0 - 16.0)	14.9	(13.9 - 15.9)	17.2	(13.0 - 22.3)	13.4	(9.0 - 19.5)	13.3	(8.0 - 21.6)

^a The proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 37: Activity Limitation Because of Physical, Mental, or Emotional Problems^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	19.9	(19.1 - 20.7)	19.3	(18.4 - 20.2)	22.3	(19.5 - 25.4)	23.5	(19.6 - 28.0)	16.8	(12.0 - 23.0)
Age										
18 - 34	10.9	(9.5 - 12.5)	10.9	(9.3 - 12.8)	8.5	(5.4 - 13.1)	12.5	(7.7 - 19.7)	16.2	(9.3 - 26.6)
35 - 54	19.3	(18.0 - 20.6)	17.5	(16.3 - 18.8)	28.3	(23.2 - 34.0)	26.4	(20.1 - 33.9)	15.1	(8.4 - 25.5)
55 +	29.6	(28.3 - 31.0)	28.9	(27.5 - 30.3)	32.9	(27.8 - 38.5)	37.3	(28.9 - 46.5)	23.7	(13.7 - 37.6)
Gender										
Male	17.6	(16.4 - 18.8)	17.2	(16.0 - 18.5)	18.2	(13.8 - 23.6)	22.5	(16.9 - 29.4)	15.9	(9.3 - 25.8)
Female	22.0	(20.9 - 23.1)	21.2	(20.1 - 22.4)	25.4	(22.0 - 29.3)	24.6	(19.4 - 30.6)	17.7	(11.6 - 26.1)
Education										
High school graduate or less	22.6	(21.2 - 24.0)	22.1	(20.6 - 23.6)	23.5	(19.4 - 28.3)	28.9	(21.8 - 37.3)	20.8	(13.4 - 30.8)
Some college or more	18.0	(17.0 - 19.0)	17.4	(16.4 - 18.5)	21.5	(17.8 - 25.9)	20.8	(16.3 - 26.2)	12.8	(7.5 - 21.1)
Household Income										
< \$20,000	39.6	(36.7 - 42.5)	42.1	(38.7 - 45.5)	35.8	(29.5 - 42.6)	34.6	(24.3 - 46.5)	----- ^c	
\$20,000 - \$34,999	23.7	(21.7 - 25.8)	24.4	(22.2 - 26.7)	18.0	(13.2 - 24.2)	34.8	(25.1 - 46.0)	----- ^c	
\$35,000 +	14.1	(13.2 - 15.1)	13.9	(12.9 - 14.9)	16.4	(12.4 - 21.6)	13.4	(9.0 - 19.5)	13.0	(7.6 - 21.2)

^a The proportion who reported being limited in any activities because of physical, mental, or emotional problems.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 38: Used Special Equipment^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.9	(6.4 - 7.4)	6.2	(5.8 - 6.7)	10.6	(8.7 - 12.9)	9.3	(6.8 - 12.7)	3.8	(1.9 - 7.3)
Age										
18 - 34	1.6	(1.1 - 2.3)	1.3	(0.8 - 2.2)	2.2	(0.9 - 5.5)	3.5	(1.3 - 9.6)	1.0	(0.1 - 6.7)
35 - 54	5.6	(4.8 - 6.4)	4.5	(3.8 - 5.2)	10.6	(7.4 - 14.9)	9.8	(5.9 - 15.9)	5.9	(2.1 - 15.1)
55 +	13.9	(12.9 - 15.0)	12.6	(11.6 - 13.7)	23.1	(18.7 - 28.1)	18.9	(12.8 - 27.2)	8.6	(3.3 - 20.8)
Gender										
Male	5.9	(5.3 - 6.7)	5.5	(4.8 - 6.2)	8.5	(5.8 - 12.4)	7.8	(4.6 - 12.9)	3.4	(1.1 - 10.1)
Female	7.8	(7.1 - 8.5)	6.9	(6.3 - 7.6)	12.3	(9.8 - 15.2)	10.9	(7.3 - 15.8)	4.2	(1.8 - 9.1)
Education										
High school graduate or less	9.1	(8.2 - 10.0)	8.4	(7.6 - 9.3)	12.9	(10.0 - 16.6)	14.6	(9.4 - 22.0)	3.3	(1.2 - 8.4)
Some college or more	5.4	(4.9 - 6.0)	4.8	(4.2 - 5.3)	8.9	(6.6 - 11.9)	6.8	(4.3 - 10.5)	4.3	(1.7 - 10.6)
Household Income										
< \$20,000	18.0	(16.0 - 20.2)	17.0	(14.9 - 19.4)	20.3	(15.4 - 26.3)	21.0	(12.6 - 32.8)	----- ^c	
\$20,000 - \$34,999	8.1	(7.0 - 9.4)	7.5	(6.4 - 8.8)	9.5	(6.2 - 14.2)	14.8	(8.5 - 24.7)	----- ^c	
\$35,000 +	3.4	(2.9 - 3.9)	3.3	(2.9 - 3.9)	5.2	(3.0 - 8.7)	1.5	(0.5 - 3.9)	1.3	(0.3 - 5.8)

^a The proportion who reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 39: Ever Had An HIV Test Among Adults Aged 18 - 64 Years^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	39.5	(38.3 - 40.7)	35.8	(34.5 - 37.1)	58.7	(54.5 - 62.7)	44.0	(38.3 - 49.8)	48.2	(40.5 - 56.0)
Age										
18 - 34	47.9	(45.4 – 50.5)	43.4	(40.6 – 46.3)	70.4	(63.3 – 76.6)	46.3	(36.7 – 56.2)	53.0	(41.6 – 64.0)
35 - 54	40.4	(38.7 – 42.0)	37.6	(36.0 – 39.3)	54.9	(48.7 – 60.9)	46.4	(38.4 – 54.5)	46.0	(34.6 – 57.8)
55 - 64	18.5	(16.8 – 20.4)	15.6	(14.0 – 17.4)	37.4	(29.6 – 45.8)	26.4	(16.2 – 40.0)	----- ^c	
Gender										
Male	35.8	(34.0 - 37.8)	32.0	(30.1 – 34.0)	56.2	(48.9 – 63.3)	41.6	(33.4 – 50.3)	47.0	(36.1 – 58.2)
Female	43.1	(41.5 - 44.6)	39.6	(37.9 – 41.3)	60.6	(55.9 – 65.2)	46.4	(38.7 – 54.2)	49.6	(39.0 – 60.1)
Education										
High school graduate or less	36.8	(34.7 – 38.9)	32.1	(29.9 – 34.3)	57.8	(50.9 – 64.4)	43.9	(33.6 – 54.8)	47.4	(36.3 – 58.7)
Some college or more	41.1	(39.6 – 42.6)	38.0	(36.4 – 39.6)	59.4	(54.2 – 64.5)	44.0	(37.2 – 51.0)	49.0	(38.5 – 59.7)
Household Income										
< \$20,000	47.4	(43.4 - 51.4)	39.2	(34.7 – 43.9)	64.1	(55.5 – 71.9)	49.0	(34.1 – 64.1)	----- ^c	
\$20,000 - \$34,999	43.4	(40.4 - 46.5)	38.2	(34.9 – 41.7)	59.3	(50.7 – 67.4)	53.4	(40.7 – 64.7)	----- ^c	
\$35,000 +	38.4	(36.9 – 39.9)	35.9	(34.3 – 37.5)	57.8	(51.4 – 64.0)	42.4	(34.4 – 50.9)	44.0	(33.5 – 55.1)

Note: "Don't know" was considered a valid response (1.9% [CI 1.6 – 2.2]).

^a Among those aged 18-64 years of age, the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 40: Engaged in At-Risk Behaviors for Acquiring HIV Among Adults Aged 18 - 64 Years^a by Race
2005 Michigan BRFS**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.3	(3.7 - 4.9)	3.8	(3.2 - 4.5)	7.1	(5.1 - 9.8)	4.2	(2.2 - 7.7)	6.1	(3.0 - 11.9)
Age										
18 - 34	7.8	(6.5 - 9.4)	7.2	(5.7 - 9.0)	11.2	(7.2 - 16.8)	6.1	(2.9 - 12.5)	10.1	(4.7 - 20.3)
35 - 54	2.6	(2.1 - 3.2)	2.4	(1.9 - 2.9)	4.6	(2.6 - 7.9)	3.5	(1.2 - 10.2)	1.8	(0.4 - 6.8)
55 - 64	1.3	(0.8 - 2.1)	1.1	(0.6 - 1.9)	3.5	(1.3 - 9.4)	0*		----- ^c	
Gender										
Male	4.8	(3.9 - 5.8)	3.9	(3.1 - 5.0)	9.2	(5.6 - 14.6)	6.0	(2.8 - 12.7)	7.5	(3.0 - 17.5)
Female	3.8	(3.1 - 4.6)	3.6	(2.9 - 4.5)	5.4	(3.6 - 8.1)	2.3	(0.9 - 5.5)	4.4	(1.6 - 11.8)
Education										
High school graduate or less	5.6	(4.6 - 6.9)	4.6	(3.6 - 6.0)	11.4	(7.5 - 17.0)	2.5	(0.6 - 10.4)	9.0	(4.0 - 18.7)
Some college or more	3.4	(2.8 - 4.1)	3.3	(2.7 - 4.1)	3.9	(2.3 - 6.7)	4.9	(2.5 - 9.6)	3.3	(0.8 - 13.0)
Household Income										
< \$20,000	8.6	(6.3 - 11.6)	7.3	(4.7 - 11.0)	11.3	(6.6 - 18.6)	8.3	(2.5 - 24.1)	----- ^c	
\$20,000 - \$34,999	5.0	(3.6 - 6.9)	3.9	(2.6 - 6.0)	8.4	(4.4 - 15.7)	3.2	(1.0 - 9.6)	----- ^c	
\$35,000 +	3.3	(2.7 - 4.0)	3.3	(2.7 - 4.1)	3.9	(2.0 - 7.5)	2.8	(1.0 - 7.5)	1.1	(0.2 - 7.3)

^a Among those aged 18 - 64 years, the proportion who reported that they had done at least one of the following in the past year:

- Used intravenous drugs.
 - Been treated for a sexually transmitted or venereal disease.
 - Given or received money or drugs in exchange for sex.
 - Had anal sex without a condom.
- ^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

* Zero respondents in this subgroup reported that they had done one of the at-risk behaviors for acquiring HIV listed above (n=58).

**Table 41: Rarely or Never Receive the Social and Emotional Support that is Needed^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	7.3	(6.7 - 7.9)	6.0	(5.5 - 6.6)	11.9	(9.6 - 14.6)	13.9	(10.5 - 18.2)	10.3	(6.6 - 15.8)
Age										
18 - 34	6.7	(5.5 - 8.1)	4.8	(3.7 - 6.3)	12.0	(7.9 - 17.9)	12.5	(6.9 - 21.5)	12.2	(6.4 - 22.0)
35 - 54	7.0	(6.2 - 7.9)	5.6	(4.8 - 6.4)	12.5	(9.0 - 17.0)	14.3	(9.5 - 21.0)	9.1	(4.5 - 17.7)
55 +	8.3	(7.5 - 9.1)	7.6	(6.8 - 8.5)	10.7	(7.7 - 14.6)	16.0	(10.0 - 24.4)	7.0	(2.6 - 17.7)
Gender										
Male	8.5	(7.5 - 9.5)	7.3	(6.5 - 8.3)	14.0	(9.9 - 19.4)	13.7	(8.9 - 20.6)	8.8	(4.5 - 16.6)
Female	6.2	(5.5 - 6.9)	4.7	(4.2 - 5.4)	10.3	(8.0 - 13.1)	14.1	(9.7 - 20.0)	12.2	(6.7 - 21.1)
Education										
High school graduate or less	10.1	(9.0 - 11.2)	8.5	(7.5 - 9.6)	15.4	(11.6 - 20.1)	15.4	(9.4 - 24.3)	15.5	(9.2 - 25.0)
Some college or more	5.4	(4.8 - 6.0)	4.4	(3.8 - 5.0)	9.3	(6.7 - 12.7)	13.2	(9.3 - 18.4)	5.4	(2.3 - 12.1)
Household Income										
< \$20,000	17.0	(14.8 - 19.6)	13.5	(11.3 - 16.0)	26.4	(20.1 - 33.9)	18.5	(11.0 - 29.4)	----- ^c	
\$20,000 - \$34,999	9.1	(7.8 - 10.7)	7.7	(6.5 - 9.2)	12.4	(7.9 - 18.9)	15.9	(9.0 - 26.5)	----- ^c	
\$35,000 +	4.2	(3.6 - 4.8)	3.9	(3.4 - 4.5)	4.5	(2.6 - 7.7)	9.6	(5.5 - 16.1)	3.0	(0.8 - 10.0)

^a The proportion who reported either "Rarely" or "Never" to the following question: "How often do you get the social and emotional support you need?"

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

**Table 42: Dissatisfied or Very Dissatisfied with Life^a by Race
2005 Michigan BRFs**

Demographic Characteristics	Total ^b		White, Non-Hispanic		Black, Non-Hispanic		Other, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.3	(5.8 - 6.9)	5.4	(4.9 - 5.9)	9.7	(7.7 - 12.3)	11.2	(8.1 - 15.2)	8.4	(4.9 - 13.9)
Age										
18 - 34	6.0	(4.9 - 7.4)	4.9	(3.8 - 6.4)	10.5	(6.8 - 15.9)	6.4	(2.9 - 13.4)	9.2	(4.2 - 19.2)
35 - 54	7.7	(6.8 - 8.6)	6.6	(5.8 - 7.4)	11.0	(7.8 - 15.3)	17.7	(12.0 - 25.3)	8.3	(3.7 - 17.9)
55 +	4.7	(4.1 - 5.4)	4.3	(3.7 - 4.9)	6.9	(4.5 - 10.4)	7.1	(3.5 - 13.8)	5.8	(1.7 - 18.1)
Gender										
Male	6.5	(5.7 - 7.5)	5.6	(4.8 - 6.5)	9.3	(6.0 - 14.1)	11.9	(7.5 - 18.6)	12.1	(6.4 - 21.6)
Female	6.1	(5.4 - 6.8)	5.2	(4.6 - 5.9)	10.1	(7.8 - 13.0)	10.4	(6.7 - 15.7)	4.2	(1.7 - 10.1)
Education										
High school graduate or less	8.1	(7.1 - 9.1)	6.7	(5.8 - 7.7)	13.1	(9.6 - 17.8)	13.1	(7.7 - 21.4)	12.5	(6.7 - 22.2)
Some college or more	5.1	(4.5 - 5.7)	4.5	(3.9 - 5.2)	6.9	(4.8 - 9.8)	9.9	(6.5 - 14.7)	4.4	(1.6 - 11.4)
Household Income										
< \$20,000	15.7	(13.6 - 18.1)	13.7	(11.6 - 16.1)	19.0	(13.8 - 25.6)	21.5	(12.2 - 34.9)	----- ^c	
\$20,000 - \$34,999	7.6	(6.4 - 9.0)	6.9	(5.6 - 8.4)	6.2	(3.7 - 10.2)	15.1	(8.6 - 25.1)	----- ^c	
\$35,000 +	3.2	(2.7 - 3.8)	3.1	(2.6 - 3.7)	4.3	(2.4 - 7.6)	4.7	(2.1 - 10.2)	0*	

^a The proportion who reported either "Dissatisfied" or "Very Dissatisfied" to the following question: "In general, how satisfied are you with your life?"

^b Total estimates include all racial groups.

^c This subgroup had a sample size that was less than 50 respondents.

* Zero respondents in this subgroup reported that they were either dissatisfied or very dissatisfied with their life (n=108).